

# **UNIFORM SYSTEM OF ACCOUNTS**

**FOR**

**MUNICIPALLY OWNED**

## **WATER UTILITIES**

**CLASS C**

**EFFECTIVE**

**JANUARY 1, 1960**

**PUBLIC SERVICE COMMISSION**

**OF WISCONSIN**





State of Wisconsin \ PUBLIC SERVICE COMMISSION

September 30, 1988

CHARLES H. THOMPSON, CHAIRMAN  
MARY LOU MUNTZ, COMMISSIONER  
GEORGE R. EDGAR, COMMISSIONER  
4802 Sheboygan Avenue  
P. O. Box 7854  
Madison, Wisconsin 53707

TO: All Municipal Utilities:

The purchase and use of computers by utilities for various accounting, record keeping and operating functions has been increasing at a rapid pace and this pace is expected to continue.

Under the Uniform System of Accounts, the normal classification for general use computers and computer related equipment has been Account 391, Office Furniture and Equipment. Due to the nature of this equipment, its service life and unit cost is significantly different from other classes of property included in Account 391.

Because of these differences we are making the accounting recommendation to all municipal utilities to segregate and subaccount all general use computers and computer related equipment to Account 391.1, Computers. It is recommended that the following depreciation rate be used for this subaccount:

| <u>Classes A, B, and C Water and Electric</u> |                    |                                 |                            |                             |
|---|--------------------|---------------------------------|----------------------------|-----------------------------|
| <u>Account</u>                                | <u>Description</u> | <u>Service<br/>Life (Years)</u> | <u>Net<br/>Salvage (%)</u> | <u>Deprec.<br/>Rate (%)</u> |
| 391.1   | Computers          | 7                               | -0-                        | 14.29%                      |


| <u>Class D Water and Electric or Sewer</u> |                    |                                 |                            |                             |
|--|--------------------|---------------------------------|----------------------------|-----------------------------|
| <u>Account</u>                             | <u>Description</u> | <u>Service<br/>Life (Years)</u> | <u>Net<br/>Salvage (%)</u> | <u>Deprec.<br/>Rate (%)</u> |
| 372.1                                      | Computers          | 7                               | -0-                        | 14.29%                      |

If your utility has already established a subaccount for its computer and computer related equipment and has a certified or authorized rate different from the above recommended rate, please continue to use the depreciation rate as previously authorized or certified to your utility.

All Municipal Utilities  
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If your utility has information and/or reasons to use a service life different from the above recommended rate, please send this information to Clarence Mouglin, Accounts and Finance Division for our analysis and determination.

Sincerely,

A handwritten signature in cursive script, appearing to read "Conrad A. Oleson".

Conrad A. Oleson, Administrator  
Accounts and Finance Division

CAO:CEM:pdr09288802

In the Matter of Uniform Systems     )  
of Accounts for Municipally Owned    )  
Water and Electric Utilities         )     2-U-5005

### ORDER PRESCRIBING SYSTEMS OF ACCOUNTS

WHEREAS, on May 22, 1958, the Commission instituted an investigation, on its own motion, of the systems of account for municipally owned water and electric utilities; and

WHEREAS, such matter was investigated by the staff of the Commission in co-operation with a committee of municipal utility representatives; and

WHEREAS, pursuant to due notice, the Commission did, on December 17, 1958, hold a public hearing on said matter for the purpose of giving all parties interested an opportunity to be heard in the above-entitled matter; and

WHEREAS, the Commission being duly advised in the premises, finds that it is in the public interest that the presently effective systems of accounts for water and electric utilities be made inapplicable to municipally owned water and electric utilities subsequent to December 31, 1959, and that there be substituted for the use of such municipal utilities the systems of accounts as prescribed below.

IT IS THEREFORE ORDERED, in conformity with section 196.06, Statutes, that on and after January 1, 1960, the Uniform System of Accounts for Classes A and B Water Utilities, Exhibit 1, the Uniform System of Accounts for Class C Water Utilities, Exhibit 2, the Uniform System of Accounts for Class D Water Utilities, Exhibit 3, the Uniform System of Accounts for Classes A and B Electric Utilities, Exhibit 4, the Uniform System of Accounts for Class C Electric Utilities, Exhibit 5, and the Uniform System of Accounts for Class D Electric Utilities, Exhibit 6, as introduced at the hearing on December 17, 1958, be and the same are hereby prescribed for use of the several classes of municipally owned water and electric utilities as defined in said systems, provided, however, that, in instances where a municipality owns both a water and an electric utility, the larger size classification applicable to either shall be applied to each utility.

Dated at Madison, Wisconsin, this 9th day of January 1959.

By the Commission.

Edward T. Kaveny, Secretary

Revisions: Through January 20, 1982

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## DEFINITIONS

When used in this system of accounts:

1. "Accounts" means the accounts prescribed in this system of accounts.
2. "Amortization" means the gradual extinguishment of an amount in an account by distributing such amount over a fixed period, over the life of the asset or liability to which it applies, or over the period during which it is anticipated the benefit will be realized.
3. "Book cost" means the amount at which property is recorded in these accounts without deduction of related provisions for accrued depreciation, amortization, or for other purposes.
4. "Commission," unless otherwise indicated by the context, means the Public Service Commission of Wisconsin.
5. "Cost" means the amount of money actually paid for property or services. When the consideration given is other than cash, the value of such consideration shall be determined on a cash basis.
6. "Cost of removal" means the cost of demolishing, dismantling, tearing down or otherwise removing utility plant, including the cost of transportation and handling incidental thereto.
7. "Debt expense" means all expenses in connection with the issuance and initial sale of evidences of debt, such as fees for drafting mortgages and trust deeds; fees and taxes for issuing or recording evidences of debt; cost of engraving and printing bonds and certificates of indebtedness; fees paid trustees; specific costs of obtaining governmental authority; fees for legal services; fees and commissions paid underwriters, brokers, and salesmen for marketing such evidences of debt; fees and expenses of listing on exchanges; and other like costs.
8. "Depreciation," as applied to depreciable utility plant, means the loss in service value not restored by current maintenance incurred in connection with the consumption or prospective retirement of utility plant in the course of service from causes which are known to be in current operation and against which the utility is not protected by insurance. Among the causes to be given consideration are wear and tear, decay, action of the elements, inadequacy, obsolescence, changes in the art, changes in demand and requirements of public authorities.
9. "Discount," as applied to the securities issued or assumed by the utility, means the excess of the face value of the securities plus interest accrued at the date of the sale over the cash value of the consideration received from their sale.
10. "Investment advances" means advances, represented by notes or by book accounts only, with respect to which it is mutually agreed or intended between the creditor and debtor that they shall not be subject to current settlement.

## DEFINITIONS

11. "Minor items of property" means the associated parts or items of which retirement units are composed.

12. "Municipality" means a city, village, town or other governmental entity which owns the proprietary capital of the public utility.

13. "Net salvage value" means the salvage value of property retired less the cost of removal.

14. "Original cost," as applied to utility plant, means the cost of such property to the person first devoting it to public service.

15. "Premium," as applied to the securities issued or assumed by the utility, means the excess of the cash value of the consideration received from their sale over the sum of their face value and interest accrued at the date of sale.

16. "Property retired," as applied to utility plant, means property which has been removed, sold, abandoned, destroyed, or which for any cause has been withdrawn from service.

17. "Replacing" or "replacement," when not otherwise indicated in the context, means the construction or installation of utility plant in place of property retired, together with the removal of the property retired.

18. "Retirement units" means those items of utility plant which, when retired, with or without replacement, are accounted for by crediting the book cost thereof to the utility plant account in which included.

19. "Salvage value" means the amount received for property retired, less any expenses incurred in connection with the sale or in preparing the property for sale; or, if retained, the amount at which the material recoverable is chargeable to materials and supplies, or other appropriate account.

20. "Service life" means the time between the date utility plant is includible in utility plant in service, or utility plant leased to others, and the date of its retirement. If depreciation is accounted for on a production basis rather than on a time basis, then service life should be measured in terms of the appropriate unit of production.

21. "Service value" means the difference between original cost and net salvage value of utility plant.

22. "Utility," as used herein and when not otherwise indicated in the context, means any public utility to which this system of accounts is applicable.



## GENERAL INSTRUCTIONS

### 1. Classification of Utilities

A. For the purpose of applying systems of accounts prescribed by the Commission, water utilities are divided into three classes, as follows:

Class AB. Utilities having 4000 or more customers.

Class C. Utilities having 1000 to 3999 customers.

Class D. Utilities having 0001 to 0999 customers.

B. This system of accounts applies only to Class C utilities. Those applicable to Class D and Class AB utilities are issued separately.

C. The class to which any utility belongs shall originally be determined by the average number of customers indicated on the utility's 1993 annual reports. Thereafter, utilities will be reclassified based on annual report filings. Reclassification will be contingent upon exceeding the next range of customers for three consecutive years.

D. Any utility may, at its option, adopt the system of accounts prescribed by the Commission for any larger class of utilities.

### 2. Records

A. Each utility shall keep its books of account, and all other books, records, and memoranda which support the entries in such books of account so as to be able to furnish readily full information as to any item included in any account. Each entry shall be supported by such detailed information as will permit a ready identification, analysis, and verification of all facts relevant thereto.

B. The books and records referred to herein include not only accounting records in a limited technical sense, but all other records, such as minute books, stock books, reports, correspondence, memoranda, etc., which may be useful in developing the facts regarding any transaction.

C. In addition to prescribed accounts, clearing accounts, temporary or experimental accounts, and subdivisions of any account, may be kept, provided the integrity of the prescribed accounts is not impaired.

## GENERAL INSTRUCTIONS

D. All amounts included in the accounts prescribed herein for utility plant and operating expenses shall be just and reasonable and any payments or accruals by the utility in excess of just and reasonable charges shall be included in account 426, Other Income Deductions.

E. The arrangement or sequence of the accounts prescribed herein shall not be controlling as to the arrangement or sequence in report forms which may be prescribed by the Commission.

### 3. Numbering System

A. The account numbering scheme used herein consists of a system of three-digit whole numbers as follows:

|         |   |
|---------|---|
| 100-199 | Assets and Other Debits.                                      |
| 200-299 | Liabilities and Other Credits.                                |
| 300-399 | Plant Accounts.   |
| 400-439 | Income Accounts.  |
| 460-479 | Revenue Accounts.   |
| 600-699 | Supply, Pumping, and Transmission and Distribution Expenses.  |
| 900-949 | Customer Accounts, Sales and General Administrative Expenses. |

B. In certain instances, numbers have been skipped in order to allow for possible later expansion or to permit better coordination with the numbering system for other utility departments.

C. The numbers prefixed to account titles are solely for convenience of reference and are not part of the titles. Each utility may adopt such scheme of account numbers as it deems appropriate; provided, however, that it shall keep readily available a list of the account numbers and subdivisions of accounts which it uses and a reconciliation of such numbers and subdivisions with the account numbers and titles provided herein. Further, the records must be so kept as to permit classification or summarization each accounting period according to the prescribed accounts.

### 4. Accounting Period

Each utility in Class C shall keep its books on a monthly or other appropriate basis so that for each accounting period all transactions applicable thereto, as nearly as may be ascertained, shall be entered in the books of the utility. Each utility shall close its books at the end of each calendar year.

### 5. Submittal of Questions

To maintain uniformity of accounting, utilities shall submit questions of doubtful interpretation to the Commission for consideration and decision.

### 6. Item Lists

Lists of "items" appearing in the texts of the accounts or elsewhere herein are for the purpose of more clearly indicating the application of the prescribed accounting. The lists are intended to be representative, but not

## GENERAL INSTRUCTIONS

exhaustive. The appearance of an item in a list warrants the inclusion of the item in the account mentioned only when the text of the account also indicates inclusion inasmuch as the same item frequently appears in more than one list. The proper entry in each instance must be determined by the texts of the accounts.

### 7. Accounting to be on Accrual Basis

A. The utility is required to keep its accounts on the accrual basis. This requires the inclusion in its accounts of all known transactions of appreciable amount which affect the accounts. If bills covering such transactions have not been received or rendered, the amounts shall be estimated and appropriate adjustments made when the bills are received.

B. When payments are made in advance for items such as insurance, rents, taxes, or interest, the amount applicable to future periods shall be charged to account 165, Prepayments, and spread over the periods to which applicable by credits to account 165, and charges to the accounts appropriate for the expenditures.

### 8. Distribution of Pay and Expenses of Employees

The charges to utility plant, operating expense and other accounts for services and expenses of employees engaged in activities chargeable to various accounts, such as construction, maintenance, and operation, shall be based upon the actual time engaged in the respective classes of work, or in case that method is impracticable, upon the basis of a study of the time actually engaged during a representative period.

### 9. Payroll Distribution

Underlying accounting data shall be maintained so that the distribution of the cost of labor charged direct to the various accounts will be readily available. Such underlying data shall permit a reasonably accurate distribution to be made of the cost of labor charged initially to clearing accounts so that the total labor cost may be classified between construction, cost of removal, utility operating functions (source of supply, pumping, water treatment, transmission and distribution, etc.) and non-utility operations.

## UTILITY PLANT INSTRUCTIONS

### 1. Utility Plant to be Recorded at Cost

A. All amounts included in the accounts for utility plant acquired as an operating unit or system, shall be stated at the cost incurred by the person who first devoted the property to utility service and all other utility plant shall be included in the accounts at the cost incurred by the utility except as otherwise provided in the texts of the intangible plant accounts. Where the term "cost" is used in the detailed plant accounts, it shall have the meaning stated in this paragraph.

B. When the consideration given for property is other than cash, the value of such consideration shall be determined on a cash basis. In the entry recording such transaction, the actual consideration shall be described with sufficient particularity to identify it. The utility shall be prepared to furnish the Commission the particulars of its determination of the cash value of the consideration if other than cash.

C. When property is purchased under a plan involving deferred payments, no charge shall be made to the utility plant accounts for interest, insurance, or other expenditures occasioned solely by such form of payment.

D. Utility plant contributed to the utility or constructed by it from contributions to it of cash or its equivalent shall be charged to the utility plant accounts at cost of construction, estimated if not known. There shall be credited to the accounts for accumulated depreciation and amortization the estimated amount of depreciation and amortization applicable to the property at the time of its contribution to the utility. The difference between the amounts included in the utility plant accounts and the accumulated depreciation and amortization shall be credited to account 271, Contributions in Aid of Construction.

### 2. Components of Construction Cost

The cost of construction of property chargeable to the utility plant accounts shall include, where applicable, the cost of labor, materials and supplies, transportation, work done by others for the utility, injuries and damages incurred in construction work, privileges and permits, special machine service, interest during construction and such portion of general engineering, administrative salaries and expenses, insurance, taxes and other analogous items as may be properly includible in construction costs.

### 3. Overhead Construction Costs

A. All overhead construction costs, such as engineering, supervision, general office salaries and expenses, construction engineering and supervision by others than the accounting utility, law expenses, insurance, injuries and damages, relief and pensions, taxes and interest, shall be charged to particular jobs or units on the basis of the amounts of such overheads reasonably applicable thereto, to the end that each job or unit shall bear its equitable proportion of such costs and that the entire cost of the unit, both direct and overhead, shall be deducted from the plant accounts at the time the property is retired.

## UTILITY PLANT INSTRUCTIONS

B. As far as practicable, the determination of pay roll charges includible in construction overheads shall be based on time card distributions thereof. Where this procedure is impractical, special studies shall be made periodically of the time of supervisory employees devoted to construction activities to the end that only such overhead costs as have a definite relation to construction shall be capitalized. The addition to direct construction costs of arbitrary percentages or amounts to cover assumed overhead costs is not permitted.

### 4. Utility Plant Purchased or Sold

A. When utility plant constituting an operating unit or system is acquired by purchase after the effective date of this system of accounts, the costs of acquisition, including expenses incidental thereto properly includible in utility plant, shall be charged to account 102, Utility Plant Purchased or Sold.

B. The accounting for the acquisition shall then be completed as follows:

(1) The original cost of plant, estimated if not known, shall be credited to account 102, Utility Plant Purchased or Sold, and concurrently charged to the appropriate utility plant in service accounts and to account 104, Utility Plant Leased to Others, account 105, Property Held for Future Use, and account 107, Construction Work in Progress, as appropriate.

(2) The requirements for accumulated provision for depreciation and amortization applicable to the original cost of the properties purchased, if required by the Commission to be recorded by the accounting utility, determined with due regard to operating practices of the purchaser and his plans regarding such property, and giving consideration also to the effect on such requirements of any rehabilitation expenditures (see paragraph C), shall be charged to account 102, Utility Plant Purchased or Sold, and concurrently credited to the appropriate account for accumulated provision for depreciation or amortization.

(3) The cost to the utility of any property includible in account 121, Nonutility Property, shall be transferred thereto.

(4) The amount of contributions in aid of construction applicable to the property acquired, and which the purchaser may be required to record, shall be charged to account 102, Utility Plant Purchased or Sold, and concurrently credited to account 271, Contributions in Aid of Construction.

(5) The amount remaining in account 102, Utility Plant Purchased or Sold, shall then be closed to account 108, Utility Plant Acquisition Adjustments.

## UTILITY PLANT INSTRUCTIONS

C. If property acquired in the purchase of an operating unit or system is in such physical condition when acquired that it is necessary substantially to rehabilitate it in order to bring the property up to the standards of the utility, the cost of such work, except replacements, shall be accounted for as a part of the purchase price of the property.

D. When any property acquired as an operating unit or system includes duplicate or other plant which will be retired by the accounting utility in the reconstruction of the acquired property or its consolidation with previously owned property, the accounting for such property shall be presented to the Commission.

E. In connection with the acquisition of utility plant constituting an operating unit or system, the utility shall procure, if possible, all existing records relating to the property acquired, or certified copies thereof, and shall preserve such records in conformity with regulations or practices governing the preservation of records of its own construction.

F. When utility plant constituting an operating unit or system is sold, the book cost of the property sold or transferred to another shall be credited to the appropriate utility plant accounts, including amounts carried in account 108, Utility Plant Acquisition Adjustments, and the amounts (estimated if not known) carried with respect thereto in the accounts for accumulated provision for depreciation and amortization and in account 252, Customer Advances for Construction, and account 271, Contributions in Aid of Construction, shall be charged to such accounts and the contra entries made to account 102, Utility Plant Purchased or Sold. Unless otherwise ordered by the Commission, the difference, if any, between (a) the net amount of debits and credits and (b) the consideration received for the property (less commissions and other expenses of making the sale) shall be included in account 434, Miscellaneous Credits to Surplus, or account 435, Miscellaneous Debits to Surplus. (See account 102, Utility Plant Purchased or Sold.)

### 5. Expenditures on Leased Property

A. The cost of substantial initial improvements (including repairs, rearrangements, additions and betterments) made in the course of preparing for utility service property leased for a period of more than one year, and the cost of subsequent substantial additions, replacements, or betterments to such property, shall be charged to the utility plant account appropriate for the class of property leased. If the service life of the improvements is terminable by action of the lease, then the cost, less net salvage, of the improvements shall be spread over the life of the lease by charges to account 404, Amortization of Limited-Term Utility Plant. However, if the service life is not terminated by action of the lease but by depreciation proper, then the cost of the improvements, less net salvage, shall be accounted for as depreciable plant.

B. If improvements made to property leased for a period of more than one year are of relatively minor cost, or if the lease is for a period of not more than one year, the cost of the improvements shall be charged to the account in which the rent is included.

## UTILITY PLANT INSTRUCTIONS

### 6. Land and Land Rights

A. The accounts for land and land rights include the cost of land owned in fee by the utility and rights, interests, and privileges held by the utility in land owned by others, such as leaseholds, easements, water and water power rights, diversion rights, submersion rights, rights of way, and other like interests in land. Do not include in the accounts for land and land rights and rights-of-way costs incurred in connection with first clearing and grading of land and rights-of-way and the damage costs associated with the construction and installation of plant. Such costs shall be included in the appropriate plant accounts directly benefited.

B. Where special assessments for public improvements provide for deferred payments, the full amount of the assessments shall be charged to the appropriate land account and the unpaid balance shall be carried in an appropriate liability account. Interest on unpaid balances shall be charged to the appropriate interest account. If any part of the cost of public improvements is included in the general tax levy, the amount thereof shall be charged to the appropriate tax account.

C. The net profit from the sale of timber, cord wood, or other property acquired with rights-of-way or other lands shall be credited to the appropriate plant account to which related. Where land is held for a considerable period of time and timber on the land at the time of purchase increase in value, the net profit (after giving effect to the cost of the timber) from the sales of timber or its products shall be credited to account 421, Miscellaneous Nonoperating Income.

D. Separate entries shall be made for the acquisition, transfer or retirement of each parcel of land, and each land right (except rights of way for distribution lines), or water right, having a life of more than one year. A record shall be maintained showing the nature of ownership, full legal description, area, map reference, purpose for which used, city, county, and tax district in which situated, from whom purchased or to whom sold, payment given or received, other costs, contract date and number, date of recording of deed, and book and page of record. Entries transferring or retiring land or land rights shall refer to the original entry recording its acquisition.

E. Any difference between the amount received from the sale of land or land rights, less agents' commissions and other costs incident to the sale, and the book cost of such land or rights, shall be charged or credited as appropriate, to account 435, Miscellaneous Debits to Surplus, or account 434, Miscellaneous Credits to Surplus, unless a reserve therefor has been authorized and provided. Appropriate adjustments of the accounts shall be made with respect to any structures or improvements located on land sold.

F. The cost of buildings and other improvements (other than public improvements) shall not be included in the land accounts. If at the time of acquisition of an interest in land such interest extends to buildings or other improvements (other than public improvements), which are then devoted to utility operations, the land and improvements shall be separately appraised and the cost allocated to land and buildings or improvements on the basis of the appraisals. If the improvements are removed or wrecked without being used in operations, the cost of removing or wrecking shall be charged and the salvage credited to the account in which the cost of the land is recorded.

## UTILITY PLANT INSTRUCTIONS

G. When the purchase of land for utility operations requires the purchase of more land than needed for such purposes, the charge to the specific land account shall be based upon the cost of the land purchased, less the fair market value of that portion of the land which is not to be used in utility operations. The portion of the cost measured by the fair market value of the land not to be used shall be included in account 105, Property Held for Future Use, or account 121, Nonutility Property, as appropriate.

H. Provision shall be made for amortizing amounts carried in the accounts for limited-term interests in land so as to apportion equitably the cost of each interest over the life thereof. (See account 404, Amortization of Limited-Term Utility Plant.)

I. The items of cost to be included in the accounts for land and land rights are as follows:

1. Bulkheads, buried, not requiring maintenance or replacement.
2. Cost, first, of acquisition including mortgages and other liens assumed (but not subsequent interest thereon).
3. Condemnation proceedings, including court and counsel costs.
4. Consents and abutting damages, payment for.
5. Conveyancers' and notaries' fees.
6. Fees, commission, and salaries to brokers, agents and others in connection with the acquisition of the land or land rights.
7. Leases, cost of voiding upon purchase to secure possession of land.
8. Removing, relocating, or reconstructing property of others, such as buildings, highways, railroads, bridges, cemeteries, churches, telephone and power lines, etc., in order to acquire quiet possession.
9. Retaining walls unless identified with structures.
10. Special assessments levied by public authorities for public improvements on the basis of benefits for new roads, new bridges, new sewers, new curbing, new pavements, and other public improvements, but not taxes levied to provide for the maintenance of such improvements.
11. Surveys in connection with the acquisition, but not amounts paid for topographical surveys and maps where such costs are attributable to structures or plant equipment erected or to be erected or installed on such land.
12. Taxes assumed, accrued to date of transfer of title.
13. Title, examining, clearing, insuring and registering in connection with the acquisition and defending against claims relating to the period prior to the acquisition.
14. Appraisals prior to closing title.
15. Cost of dealing with distributees or legatees residing outside of the state or county, such as recording power of attorney, recording will or exemplification of will, recording satisfaction of state tax.



## UTILITY PLANT INSTRUCTIONS

16. Filing satisfaction of mortgage.
17. Documentary stamps.
18. Photographs of property at acquisition.
19. Fees and expenses incurred in the acquisition of water rights and grants.
20. Cost of fill to extend bulkhead line over land under water, where riparian rights are held, which is not occasioned by the erection of a structure.
21. Sidewalks and curbs constructed by the utility on public property.
22. Labor and expenses in connection with securing rights of way, where performed by company employees and company agents.

### 7. Structures and Improvements

A. The accounts for structures and improvements include the cost of all buildings and facilities to house, support, or safeguard property or persons, including all fixtures permanently attached to and made a part of buildings and which cannot be removed therefrom without cutting into the walls, ceilings, or floors, or without in some way impairing the buildings, and improvements of a permanent character on or to land. Also include those costs incurred in connection with the first clearing and grading of land and rights-of-way, and the damage costs associated with construction and installation of plant.

B. The cost of specially provided foundations not intended to outlast the machinery or apparatus for which provided, and the cost of angle irons, castings, etc., installed at the base of any item of equipment, shall be charged to the same account as the cost of machinery, apparatus, or equipment.

C. Minor buildings and structures, such as valve towers, patrolmen's towers, telephone stations, etc., which are used directly in connection with or form a part of a reservoir dam, waterway, etc., shall be considered a part of the facility in connection with which constructed or operated and the cost thereof accounted for accordingly.

D. Where furnace and boilers are used primarily for furnishing steam for some particular department and only incidentally for furnishing steam for heating a building and operating the equipment therein, the entire cost of such furnaces and boilers shall be charged to the appropriate plant account, and no part to the building account.

E. Where the structure of a dam forms also the foundation of a building, such foundation shall be considered a part of the dam.

F. The cost of disposing of materials excavated in connection with construction of structures shall be considered as a part of the cost of such work, except as follows: (a) When such material is used for filling, the cost of loading, hauling, and dumping shall be equitable apportioned between the work in connection with which the removal occurs and the work in connection with which the material is used; (b) When such material is sold, the net amount realized from such sales shall be credited to the work in connection with which the removal occurs. If the amount realized from the sale of excavated materials exceeds the removal costs and the costs in connection with the sale, the excess shall be credited to the land account in which the site is carried.

## UTILITY PLANT INSTRUCTIONS

G. Lighting or other fixtures temporarily attached to buildings for purposes of display or demonstration shall not be included in the cost of the building but in the appropriate equipment account.

H. The items of cost to be included in the accounts for structures and improvements are as follows:

1. Architects' plans and specifications including supervision.
2. Athletic field structures and improvements.
3. Boilers, furnaces, piping, wiring, fixtures, and machinery for heating, lighting, signaling, ventilating, and air conditioning systems, plumbing, vacuum cleaning systems, incinerator and smoke pipe, flues, etc.
4. Bulkheads, including dredging, riprap fill, piling, decking, concrete, fenders, etc., when exposed and subject to maintenance and replacement.
5. Coal bins and bunkers.
6. Commissions and fees to brokers, agents, architects and others.
7. Conduit (not to be removed) with its contents.
8. Damages to abutting property during construction.
9. Drainage and sewerage systems.
10. Elevators, cranes, hoists, etc., and the machinery for operating them.
11. Excavation, including shoring bracing, bridging, refill, and disposal of excess excavated material, cofferdams around foundation, pumping water from cofferdam during construction, test borings.
12. Fences and fence curbs (not including protective fences isolating items of equipment, which shall be charged to the appropriate equipment account).
13. Fire protection systems when forming a part of a structure.
14. Foundations and piers for machinery, constructed as a permanent part of a building or other item listed herein.
15. Grading and clearing when directly occasioned by the building of a structure.
16. Intrasite communication system, poles, pole fixtures, wires and cables.
17. Landscaping, lawns, shrubbery, etc.
18. Leases, voiding upon purchase to secure possession of structures.
19. Leased property, expenditures on.
20. Lighting fixtures and outside lighting system.
21. Painting, first cost.
22. Permanent paving, concrete, brick flagstone, asphalt, etc., within the property lines.
23. Permits and privileges.
24. Platforms, railings and gratings when constructed as a part of a structure.
25. Retaining walls except when identified with land.
26. Roadways, railroads, bridges, and trestles intrasite except railroads provided for in equipment accounts.
27. Sidewalks, culverts, curbs and streets constructed by the utility on its property.

## UTILITY PLANT INSTRUCTIONS

28. Stacks--brick, steel, or concrete, when set on foundation forming part of general foundation and steel work of a building.
29. Storage facilities constituting a part of a building.
30. Subways, areaways, and tunnels, directly connected to and forming part of a structure.
31. Tanks, constructed as part of a building or as a distinct structural unit.
32. Temporary shanties and other facilities used during construction (net cost).
33. Tunnels, intake and discharge, when constructed as part of a structure, including sluice gates, and those constructed to house mains.
34. Vaults constructed as part of a building.
35. Water basins or reservoirs.
36. Wharves.

Note.--Structures and Improvements accounts shall be credited with the cost of coal bunkers, stacks, foundations, subways, tunnels, etc., the use of which has terminated with the removal of the equipment with which they are associated even though they have not been physically removed.

### 8. Equipment

A. The cost of equipment chargeable to the utility plant accounts, unless otherwise indicated in the text of an equipment account, includes the net purchase price thereof, sales taxes, investigation and inspections expenses necessary to such purchase, expenses of transportation when borne by the utility, labor employed, materials and supplies consumed, and expenses incurred by the utility in unloading and placing the equipment in readiness to operate. Also include those costs incurred in connection with the first clearing and grading of land and rights-of-way and the damage costs associated with construction and installation of plant.

B. Exclude from equipment accounts hand and other portable tools, which are likely to be lost or stolen or which have relatively small value (\$50 or less) or short life, unless the correctness of the accounting therefor as utility plant is verified by current inventories. Special tools acquired and included in the purchase price of equipment shall be included in the appropriate plant account. Portable drills and similar tool equipment when used in connection with the operation and maintenance of a particular plant or department, such as pumping, transmission and distribution, etc., or in "stores," shall be charged to the plant account appropriate for their use.

C. The equipment accounts shall include angle irons and similar items which are installed at the base of an item of equipment, but piers and foundations which are designed to be as permanent as the buildings which house the equipment, or which are constructed as a part of the building and which cannot be removed without cutting into the walls, ceilings or floors or without in some way impairing the building, shall be included in the building accounts.

## UTILITY PLANT INSTRUCTIONS

D. The equipment accounts shall include the necessary costs of testing or running a plant or part thereof during an experimental or test period prior to becoming available for service. The utility shall furnish the Commission with full particulars of and justification for any test or experimental run extending beyond a period of thirty days.

E. The cost of efficiency or other tests made subsequent to the date equipment becomes available for service shall be charged to the appropriate expense accounts, except that tests to determine whether equipment meets the specifications and requirements as to efficiency, performance, etc., guaranteed by manufacturers, made after operations have commenced and within the period specified in the agreement or contract of purchase, may be charged to the appropriate utility plant account.

### 9. Additions and Retirements of Utility Plant

A. For the purpose of avoiding undue refinement in accounting for additions to and retirements and replacements of utility plant, all property shall be considered as consisting of (1) retirement units and (2) minor items of property. Each utility shall use such list of retirement units as is in use by it at the effective date hereof or as may be prescribed by the Commission, with the option, however, of using smaller units, provided the utility's practice in this respect is consistent.

B. The addition and retirement of retirement units shall be accounted for as follows:

(1) When a retirement unit is added to utility plant, the cost thereof shall be added to the appropriate utility plant account, except that when units are acquired in the acquisition of any utility plant constituting an operating system, they shall be accounted for as provided in utility plant instruction 4.

(2) When a retirement unit is retired from utility plant, with or without replacement, the book cost thereof shall be credited to the utility plant account in which it is included, determined in the manner set forth in paragraph D, below. If the retirement unit is of a depreciable class, the book cost of the unit retired and credited to utility plant shall be charged to the accumulated provision for depreciation applicable to such property. The cost of removal and the salvage shall be charged or credited, as appropriate, to such depreciation account.

C. The addition and retirement of minor items of property shall be accounted for as follows:

(1) When a minor item of property which did not previously exist is added to plant, the cost thereof shall be accounted for in the same manner as for the addition of a retirement unit, as set forth in paragraph B (1), above, if a substantial addition results, otherwise the charge shall be to the appropriate maintenance expense account.

## UTILITY PLANT INSTRUCTIONS

(2) When a minor item of property is retired and not replaced, the book cost thereof shall be credited to the utility plant account in which it is included; and, in the event the minor item is a part of depreciable plant, the account for accumulated provision for depreciation shall be charged with the book cost and cost of removal and credited with the salvage. If, however, the book cost of the minor item retired and not replaced has been or will be accounted for by its inclusion in the retirement unit of which it is a part when such unit is retired, no separate credit to the property account is required when such minor item is retired.

(3) When a minor item of depreciable property is replaced independently of the retirement unit of which it is a part, the cost of replacement shall be charged to the maintenance account appropriate for the item, except that if the replacement effects a substantial betterment (the primary aim of which is to make the property affected more useful, more efficient, of greater durability, or of greater capacity), the excess cost of the replacement over the estimated cost at current prices of replacing without betterment shall be charged to the appropriate utility plant account.

D. The book cost of utility plant retired shall be the amount at which such property is included in the utility plant accounts, including all components of construction costs. The book cost shall be determined from the utility's records and if this cannot be done, it shall be estimated. When it is impracticable to determine the book cost of each unit, due to the relatively large number or small cost thereof, an appropriate average book cost of the units, with due allowance for any differences in size and character, shall be used as the book cost of the units retired.

E. The book cost of land retired shall be credited to the appropriate land account. If the land is sold, the difference between the book cost (less any accumulated provision for depreciation or amortization therefor which has been authorized and provided) and the sale price of the land (less commissions and other expenses of making the sale) shall be charged or credited, as appropriate, to account 435, Miscellaneous Debits to Surplus, or account 434, Miscellaneous Credits to Surplus. If the land is not used in utility service but is retained by the utility, the book cost shall be charged to account 105, Property Held for Future Use, or account 121, Non-utility Property, as appropriate.

F. The book cost less net salvage of utility plant retired shall be charged in its entirety to account 110, Accumulated Provision for Depreciation and Amortization of Utility Plant. Any amounts which, by approval or order of the Commission, are charged to account 182, Extraordinary Property Losses, shall be credited to account 110, Accumulated Provision for Depreciation and Amortization of Utility Plant.

## UTILITY PLANT INSTRUCTIONS

### 10. Transfers of Property

When property is transferred from one account for utility plant to another, from one utility department to another, from one operating division or area to another, to or from Utility Plant in Service, Utility Plant Leased to Others, Property Held for Future Use, and Nonutility Property, the transfer shall be recorded by transferring the original cost thereof from one account, department, or location to the other. Any related amounts carried in the accounts for accumulated provision for depreciation or amortization shall be transferred in accordance with the segregation of such accounts.

### 11. Common Utility Plant

A. If the utility is engaged in more than one utility service, and any of its utility plant is used in common for several utility services or for other purposes to such an extent and in such a manner that it is impracticable to segregate it by utility services currently in the accounts, such property may be designated and classified as "common utility plant."

B. Utility plant designated as common utility plant shall be classified according to the detailed utility plant accounts appropriate for the property.

C. The utility shall be prepared to show at any time and to report to the Commission annually, or more frequently, if required, and by utility plant accounts (301 to 399) the following: (1) The book cost of common utility plant, (2) The allocation of such cost to the respective departments using the common utility plant, and (3) The basis of the allocation.

D. The accumulated provision for depreciation and amortization of the utility shall be segregated so as to show the amount applicable to the property classified as common utility plant.

E. The expenses of operation, maintenance, rents, depreciation and amortization of common utility plant shall be recorded in the accounts prescribed herein and the allocation of such expenses to the departments using the common utility plant shall be supported in such manner as to reflect readily the basis of allocation used.

### 12. Supply, Transmission and Distribution Mains

A. All mains, pipes, aqueducts, canals or other facilities for carrying water shall be classified according to their primary functional use as follows:

Supply Mains  
Transmission and Distribution Mains  
Fire Mains

## UTILITY PLANT INSTRUCTIONS

B. "Supply Main" means any main, pipe, aqueduct or canal the primary purpose of which is to convey water from one unit to another unit in the source of supply, water treatment or pumping plant and generally providing no service connections with customers.

C. "Transmission and Distribution Main" means any main the primary purpose of which is to convey water, requiring no further processing except incidental chlorination or pressure boosting, from a unit in the source of supply, water treatment or pumping plant to customers.

D. "Fire Main" means any main forming part of an integrated system used exclusively for fire protection purposes.

### 13. Multiple Use Plant

Land, rights of way and structures used jointly for several functions, such as supply, and transmission and distribution purposes, shall be classified according to the major use thereof.

## OPERATING EXPENSE INSTRUCTIONS

### 1. Maintenance

A. The cost of maintenance chargeable to the various operating expense and clearing accounts includes labor, materials, overheads and other expenses incurred in maintenance work. A list of work operations applicable generally to utility plant is included hereunder.

B. Materials recovered in connection with the maintenance of property shall be credited to the same account to which the maintenance cost was charged.

C. If the book cost of any property is carried in account 102, Utility Plant Purchased or Sold, the cost of maintaining such property shall be charged to the accounts for maintenance of property of the same class and use, the book cost of which is carried in other utility plant in service accounts. Maintenance of property leased from others shall be treated as provided in operating expense instruction 2.

#### Items

1. Direct field supervision of maintenance.
2. Inspecting, testing, and reporting on condition of plant specifically to determine the need for repairs, replacements, rearrangements and changes and inspecting and testing the adequacy of repairs which have been made.
3. Work performed specifically for the purpose of preventing failure, restoring service ability or maintaining life of plant.
4. Rearranging and changing the location of plant not retired.
5. Repairing for reuse materials recovered from plant.
6. Testing for, locating and clearing trouble.
7. Net cost of installing, maintaining, and removing temporary facilities to prevent interruptions in service.
8. Replacing or adding minor items of plant which do not constitute a retirement unit. (See utility plant instruction 9.)

### 2. Rents

A. The several functional groups of expense accounts shall include all rents, including taxes paid by the lessee on leased property, for property used in utility operations, except rents which are chargeable to clearing accounts, and distributed therefrom to the appropriate account. If rents cover property used for more than one function, such as pumping and distributing, or by more than one department, the rents shall be apportioned to the appropriate expense or clearing accounts of each department on an actual, or, if necessary, an estimated basis.



## OPERATING EXPENSE INSTRUCTIONS

B. When a portion of property or equipment rented from others for use in connection with utility operations is subleased, the revenue derived from such subleasing shall be credited to the rent revenue account in operating revenues; provided, however, that in case the rent was charged to a clearing account, amounts received from subleasing the property shall be credited to such clearing account.

C. The cost, when incurred by the lessee, of operating and maintaining leased property, shall be charged to the accounts appropriate for the expense if the property were owned.

D. The cost incurred by the lessee of additions and replacements to utility plant leased from others shall be accounted for as provided in utility plant instruction 5.

## BALANCE SHEET ACCOUNTS

### Assets and Other Debits

#### 1. Utility Plant

- 100 Utility Plant
- 110 Accumulated Provision for Depreciation and Amortization of  
Utility Plant

#### 2. Other Property and Inventments

- 121 Nonutility Property
- 122 Accumulated Provision for Depreciation and Amortization of  
Nonutility Property
- 123 Investment in Municipality
- 124 Other Investments
- 125 Soecial Funds

#### 3. Current and Accrued Assets

- 131 Cash and Working Funds
- 132 Temporary Cash Investments
- 141 Notes Receivable
- 142 Customer Accounts Receivable
- 143 Other Accounts Receivable
- 144 Accumulated Provision for Uncollectible Accounts
- 145 Receivables from Municipality
- 150 Materials and Supplies
- 165 Prepayments
- 170 Other Current and Accrued Assets

#### 4. Deferred Debits

- 181 Unamortized Debt Discount and Expense
- 182 Extraordinary Property Losses
- 183 Other Deferred Debits

### Liabilities and Other Credits

#### 5. Proprietary Capital

- 200 Capital Paid in by Municipality
- 215 Appropriated Earned Surplus
- 216 Unappropriated Earned Surplus

#### 6. Long-Term Debt

- 221 Bonds
- 223 Advances from Municipality
- 224 Other Long-Term Debt

BALANCE SHEET ACCOUNTS

7. Current and Accrued Liabilities

- 231 Notes Payable
- 232 Accounts Payable
- 233 Payables to Municipality
- 235 Customer Deposits
- 236 Taxes Accrued
- 237 Interest Accrued
- 238 Other Current and Accrued Liabilities

8. Deferred Credits

- 251 Unamortized Premium on Debt
- 252 Customer Advances for Construction
- 253 Other Deferred Credits

9. Operating Reserves

- 261 Property Insurance Reserve
- 262 Injuries and Damages Reserve
- 263 Pensions and Benefits Reserve
- 265 Miscellaneous Operating Reserves

10. Contributions in Aid of Construction

- 271 Contributions in Aid of Construction

## BALANCE SHEET ACCOUNTS

### 1. Utility Plant

#### 100 Utility Plant

There shall be shown under this caption the book cost of utility plant included in accounts 101 to 109, inclusive.

#### 101 Utility Plant in Service

A. This account shall include the original cost of utility plant, included in the plant accounts prescribed herein and in similar accounts for other utility departments, owned and used by the utility in its utility operations, and having an expectation of life in service of more than one year from date of installation, including such property owned by the utility but held by nominees. Separate subaccounts shall be maintained hereunder for each utility department.

B. The cost of additions to and betterments of property leased from others, which are includible in this account, shall be maintained in subdivisions separate and distinct from those relating to owned property. (See utility plant instruction 5.)

#### 102 Utility Plant Purchased or Sold

A. This account shall be charged with the cost of utility plant acquired as an operating unit or system by purchase and shall be credited with the selling price of like property transferred to others pending the distribution to appropriate accounts in accordance with utility plant instruction 4.

B. Within six months from the date of acquisition or transfer of property recorded herein, there shall be filed with the Commission the proposed journal entries to clear from this account the amounts recorded herein.

#### 103 Utility Plant in Process of Reclassification

A. This account shall include temporarily the balance of utility plant as of the effective date of the prior system of accounts, which has not yet been reclassified as of the effective date of this system of accounts. The detail or primary accounts in support of this account employed prior to such date shall be continued pending reclassification into the utility plant accounts herein prescribed (301-399), but shall not be used for additions, betterments, or new construction.

B. No charges other than as provided in paragraph A, above, shall be made to this account, but retirements of such unclassified utility plant shall be credited hereto and to the supporting (old) fixed capital accounts until the reclassification shall have been accomplished.

## BALANCE SHEET ACCOUNTS

### 104 Utility Plant Leased to Others

A. This account shall include the original cost of utility plant owned by the utility, but leased to others as operating units or systems, where the lessee has exclusive possession.

B. The property included in this account shall be classified according to the detailed accounts prescribed for utility plant in service, and this account shall be maintained in such detail as though the property were used by the owner in its utility operations.

### 105 Property Held for Future Use

A. This account shall include the original cost of property owned and held for future use in utility service under a definite plan for such use. There shall be included herein property acquired but never used by the utility in utility service, but held for such service in the future under a definite plan, and property previously used by the utility in utility service, but retired from such service and held pending its reuse in the future, under a definite plan, in utility service.

B. The property included in this account shall be classified according to the detailed accounts prescribed for utility plant in service and the account shall be maintained in such detail as though the property were in service. Separate subaccounts shall be maintained hereunder for each utility department for which plant is held for future use.

Note.--Materials and supplies, meters held in reserve, or normal spare capacity of plant in service shall not be included in this account.

### 107 Construction Work in Progress

This account shall include the total of the balances of work orders for utility plant in process of construction but not ready for service at the date of the balance sheet.

### 108 Utility Plant Acquisition Adjustments

A. This account shall include the difference between (a) the cost to the accounting utility of utility plant acquired as an operating unit or system by purchase, and (b) the original cost, estimated, if not known, of such property, less the amount or amounts credited by the accounting utility at the time of acquisition to depreciation and amortization reserves and contributions in aid of construction with respect to such property.

B. The amounts recorded in this account with respect to each property acquisition shall be amortized, or otherwise disposed of, as the Commission may approve or direct.

## BALANCE SHEET ACCOUNTS

### 109 Other Utility Plant Adjustments

A. This account shall include the difference between the original cost, estimated if not known, and the book cost of utility plant to the extent that such difference is not properly includible in account 108, Utility Plant Acquisition Adjustments.

B. Amounts included in this account shall be classified in such manner as to show the origin of each amount and shall be disposed of as the Commission may approve or direct.

Note.--The provisions of this account shall not be construed as approving or authorizing the recording of appreciation of utility plant.

### 110 Accumulated Provision for Depreciation and Amortization of Utility Plant

A. This account shall be credited with the following:

- (1) Amounts charged to account 403, Depreciation Expense, to account 404, Amortization of Limited-Term Utility Plant, to account 405, Amortization of Other Utility Plant, to account 413, Expenses of Utility Plant Leased to Others, to account 416, Costs and Expenses of Merchandising, Jobbing and Contract Work, or to clearing accounts for currently accruing depreciation and amortization.
- (2) Amounts charged to account 435, Miscellaneous Debits to Surplus, for past accrued depreciation or amortization.
- (3) Amounts of depreciation applicable to utility properties acquired as operating units or systems. (See utility plant instruction 4.)
- (4) Amounts chargeable to account 182, Extraordinary Property Losses, when authorized by Commission.
- (5) Amounts of depreciation applicable to utility plant donated to the utility.

B. At the time of retirement of utility plant, this account shall be charged with the book cost of the property retired and the cost of removal, and shall be credited with the salvage value and any other amounts recovered, such as insurance. When retirements, cost of removal and salvage are entered originally in retirement work orders, the net total of such work orders may be included in a separate sub-account hereunder. Upon completion of the work order, the proper distribution to subdivisions of this account shall be made as provided in the following paragraph.

## BALANCE SHEET ACCOUNTS

C. Each utility shall maintain subsidiary records in which this account is segregated according to the utility department to which applicable. The amount applicable to the water utility department shall be subdivided to show the amount applicable to Utility Plant in Service, Utility Plant Leased to Others, and Property Held for Future Use. These subsidiary records shall show the current credits and debits to this account in sufficient detail to show separately for each subdivision, (1) the amount of accrual for depreciation or amortization, (2) the book cost of property retired, (3) cost of removal, (4) salvage and (5) other items, including recoveries from insurance.

D. When transfers of plant are made from one utility plant account to another, or from or to nonutility property, the accounting shall be as provided in utility plant instruction 10.

E. The utility is restricted in its use of the provisions for depreciation to the purposes set forth above. It shall not divert any portion of this account to earned surplus or make any use thereof without authorization by the Commission.

### 2. Other Property and Investments

#### 121 Nonutility Property

This account shall include the book cost of land, structures, equipment or other tangible or intangible property owned by the utility, but not used in utility service and not properly includible in account 105, Property Held for Future Use.

#### 122 Accumulated Provision for Depreciation and Amortization of Nonutility Property

This account shall include the accumulated provision for depreciation and amortization applicable to property other than utility plant.

#### 123 Investment in Municipality

This account shall include the book cost of securities of the municipality owned by the utility and the amount of the loans and advances made by the utility to the municipality, when such loans and advances are subject to repayment but are not subject to current settlement. Balances in open accounts with the municipality, which are subject to current settlement, are includible in account 145, Receivables from Municipality.

#### 124 Other Investments

A. This account shall include the book cost of investments in securities issued or assumed by others and any investments not accounted for elsewhere. Include also the offsetting entry to the recording of amortization of discount or premium on interest bearing investments. (See account 419, Interest and Dividend Income.)

## BALANCE SHEET ACCOUNTS

B. The records shall be maintained in such manner as to show the amount of each investment and the investment advances to each person.

Note A.--Securities owned and pledged shall be included in this account, but securities held in special deposits or in special funds shall be included in appropriate deposit or fund accounts. A complete record of securities pledged shall be maintained.

Note B.--Securities held as temporary cash investments shall not be included in this account.

### 125 Special Funds

This account shall include the amount of cash and book cost of investments which have been segregated in special funds for bond retirements, property additions and replacements, insurance, employees' pensions, savings, relief, hospital, and other purposes not provided for elsewhere. A separate account, with appropriate title, shall be kept for each fund.

### 3. Current and Accrued Assets

Current and accrued assets are cash, those assets which are readily convertible into cash or are held for current use in operations or construction, current claims against others, payment of which is reasonably assured, and amounts accruing to the utility which are subject to current settlement, except such items for which accounts other than those designated as current and accrued assets are provided. There shall not be included in the group of accounts designated as current and accrued assets any item, the amount or collectibility of which is not reasonably assured, unless an adequate provision for possible loss has been provided. Items of current character but of doubtful value may be written down and for record purposes carried in these accounts at nominal value.

### 131 Cash and Working Funds

This account shall include the amount of cash on hand and in banks and cash advanced to officers, agents, employees, and others as petty cash or working funds. Special cash deposits for payment of interest or other special purposes shall be included in this account in separate subdivisions which shall specify the purpose for which each such special deposit is made.

Note.--Special deposits for more than one year, which are not offset by current liabilities, shall not be charged to this account but to account 125, Special Funds.



## BALANCE SHEET ACCOUNTS

### 132 Temporary Cash Investments

This account shall include the book cost of investments, such as demand and time loans, bankers' acceptances, United States Treasury certificates, marketable securities, and other similar investments, acquired for the purpose of temporarily investing cash.

### 141 Notes Receivable

This account shall include the book cost, not includible elsewhere, of all collectible obligations in the form of notes receivable and similar evidences (except interest coupons) of money due on demand or within one year from the date of issue.

Note.--The face amount of notes receivable, discounted, sold, or transferred without releasing the utility from liability as endorser thereon, shall be credited to a separate subdivision of this account and appropriate disclosure shall be made in financial statements of any contingent liability arising from such transactions.

### 142 Customer Accounts Receivable

A. This account shall include amounts due from customers for utility service, and for merchandising, jobbing and contract work. This account shall not include amounts due from the municipality.

B. This account shall be maintained so as to show separately the amounts due from merchandising, jobbing and contract work.

### 143 Other Accounts Receivable

This account shall include amounts due the utility upon open accounts, other than amounts due from the municipality and from customers for utility services and merchandising, jobbing and contract work.

### 144 Accumulated Provision for Uncollectible Accounts

This account shall be credited with amounts provided for losses on accounts receivable which may become uncollectible, and also with collections on accounts previously charged hereto. Concurrent charges shall be made to account 904, Uncollectible Accounts, for amounts applicable to utility operations, and to corresponding accounts for other operations. Records shall be maintained so as to show the write-offs of accounts receivable for each utility department.

Note A.--Accretions to this account shall not be made in excess of a reasonable provision against losses of the character provided for.

## BALANCE SHEET ACCOUNTS

Note B.--If provisions for uncollectible other receivables are necessary, separate subaccounts therefor shall be established under the account in which the receivable is carried.

### 145 Receivables from Municipality

This account shall include amounts due the utility from the municipality or its other departments which are subject to current settlement.

Note.--On the balance sheet, accounts receivable from the municipality may be set off against accounts payable to it.

### 150 Materials and Supplies

A. This account shall include the cost of fuel on hand and unapplied materials and supplies (except meters). It shall include also the book cost of materials recovered in connection with construction, maintenance or the retirement of property, such materials being credited to construction, maintenance, or accumulated depreciation provision, respectively, and included herein as follows:

- (1) Reusable materials consisting of large individual items shall be included in this account at original cost, estimated if not known. The cost of repairing such items shall be charged to the maintenance account appropriate for the previous use.
- (2) Reusable materials consisting of relatively small items, the identity of which (from the date of original installation to the final abandonment or sale thereof) cannot be ascertained without undue refinement in accounting, shall be included in this account at current prices new for such items. The cost of repairing such items shall be charged to the appropriate expense account as indicated by previous use.
- (3) Scrap and nonusable materials included in this account shall be carried at the estimated net amount realized therefrom. The difference between the amounts realized for scrap and nonusable materials sold and the net amount at which the materials were carried in this account, as far as practicable shall be adjusted to the accounts credited when the materials were charged to this account.

B. Materials and supplies issued shall be credited hereto and charged to the appropriate construction, operating expense, or other account on the basis of a unit price determined by the use of cumulative average, first-in-first-out, or such other method of inventory accounting as conforms with accepted accounting standards consistently applied.

## BALANCE SHEET ACCOUNTS

C. Inventories of materials, supplies, fuel, etc., shall be taken at least annually and the necessary adjustments shall be made to bring this account into agreement with the actual inventories. In effecting the adjustments, large differences which can be assigned to important classes of materials shall be equitably adjusted among the accounts to which such classes of materials have been charged since the previous inventory. Other differences shall be equitably apportioned among the accounts to which materials have been charged.

### Items

1. Invoice price of materials less cash or other discounts.
2. Freight, switching or other transportation charges when practicable to include as part of the cost of particular materials to which they relate.
3. Customs duties and excise taxes.
4. Costs of inspection and special tests prior to acceptance.
5. Insurance and other directly assignable charges.

Note A.--Where expenses applicable to materials purchased cannot be directly assigned to particular purchases, they may be charged to a stores expense clearing account and distributed therefrom to the appropriate account.

Note B.--When materials and supplies are purchased for immediate use, they need not be carried through this account but may be charged directly to the appropriate utility plant or expense account.

### 165 Prepayments

A. This account shall include the amount of rents, taxes, insurance, interest and like disbursements made in advance of the period to which they apply. As the periods covered by such prepayments expire, credit this account and charge the proper operating expense or other account with the amount applicable to the period.

B. This account shall be kept or supported in such manner as to disclose the amount of each class of prepayments.

### 170 Other Current and Accrued Assets

This account shall include the book cost of all other current and accrued assets, appropriately designated and supported so as to show the nature of each asset included herein.

## BALANCE SHEET ACCOUNTS

### 4. Deferred Debits

#### 181 Unamortized Debt Discount and Expense

A. This account shall include the total of the unamortized balance of discount and expense for all classes of long-term debt.

B. The discount and expense shall be amortized over the life of the respective issues under a plan which will distribute the amounts equitably over the life of the securities. The amortization shall be charged to account 428, Amortization of Debt Discount and Expense. The utility may, however, accelerate the writing off of discount and expense where the amounts are insignificant.

#### 182 Extraordinary Property Losses

A. When authorized or directed by the Commission, this account shall include extraordinary losses on property abandoned or otherwise retired from service which are not provided for by the accumulated provisions for depreciation or amortization and which could not reasonably have been foreseen and provided for, and extraordinary losses, such as unforeseen damages to property, which could not reasonably have been anticipated and which are not covered by insurance or other provisions.

B. The entire cost, less net salvage, of depreciable property retired shall be charged to accumulated provision for depreciation. If all, or a portion, of the loss is to be included in this account, the accumulated provision for depreciation shall then be credited and this account charged with the amount properly chargeable hereto.

C. Application to the Commission for permission to use the account shall be accompanied by a statement giving a complete explanation with respect to the items which it is proposed to include herein, the period over which, and the accounts to which it is proposed to write off the charges, and other pertinent information.

#### 183 Other Deferred Debits

A. This account shall include the following classes of items:

- (1) Expenditures for preliminary surveys, plans, investigations, etc., made for the purpose of determining the feasibility of projects under contemplation. If construction results, this account shall be credited with the amount applicable thereto and the appropriate plant accounts shall be charged with an amount which does not exceed the expenditures which may reasonably be determined to contribute directly and immediately and without duplication to plant. If the work is abandoned, the charge shall be to account 435, Miscellaneous Debits to Surplus, or to the appropriate operating expense accounts.

## BALANCE SHEET ACCOUNTS

- (2) Undistributed balances in clearing accounts at the date of the balance sheet. Balances in clearing accounts shall be substantially cleared not later than the end of the calendar year unless items held therein relate to a future period.
- (3) Balances representing expenditures for work in progress other than on utility plant. This includes jobbing and contract work in progress.
- (4) Other debit balances, the proper final disposition of which is uncertain, and unusual or extraordinary expenses, not included in other accounts, which are in process of being written off.

B. The records supporting the entries to this account shall be so kept that the utility can furnish full information as to each deferred debit included herein.

### 5. Proprietary Capital

#### 200 Capital Paid in by Municipality

A. This account shall include the capital invested by the municipality in the utility which is not subject to repayment by the utility on demand or at a fixed future date. This includes the cost of plant constructed or acquired by the municipality and transferred to the utility free and clear of debt, cash transferred to the utility for construction of plant or for working capital or other permanent investment of the municipality in the utility.

B. There shall be charged to this account all amounts paid by the utility in liquidation of the capital paid in by the municipality.

Note.--Do not include in this account any amount representing advances subject to repayment or amounts subject to current settlement.  
(See accounts 223 and 233.)

#### 215 Appropriated Earned Surplus

This account shall include the amount of income which has been appropriated or set aside for specific purposes. Separate subaccounts shall be maintained under such titles as will designate the purpose for which each appropriation was made.

#### 216 Unappropriated Earned Surplus

This account shall include the balance, either debit or credit, of unappropriated surplus arising from earnings.

## BALANCE SHEET ACCOUNTS

### 6. Long-Term Debt

#### 221 Bonds

A. This account shall include the face value of actually issued and unmatured bonds which are direct obligations of the utility. Bonds which have been issued as general obligations of the municipality shall not be included herein even though the proceeds of the issue have been devoted to utility purposes. In such a case, the amount of the proceeds received by the utility department shall be recorded as an advance from the municipality and included in account 223, Advances from Municipality, if subject to repayment by the utility, otherwise in account 200, Capital Paid in by Municipality.

B. Separate accounts shall be maintained hereunder for unmatured bonds of each class and series. Each such account shall be subdivided so as to show, (1) The face value of the actually issued and unmatured bonds, which have not been retired or canceled; also the face value of such bonds issued by others, the payment of which has been assumed by the utility, (2) The face value of bonds actually issued or assumed by the utility and reacquired by it and not paid, retired, or canceled. The account for reacquired debt shall not include securities which are held by trustees in sinking or other funds.

C. When bonds are reacquired, the difference between face value, adjusted for unamortized discount, expense or premium, and the amount paid upon reacquisition, shall be debited or credited, as appropriate, to account 434, Miscellaneous Credits to Surplus, or account 435, Miscellaneous Debits to Surplus.

#### 223 Advances from Municipality

A. This account shall include the face value of notes payable to the municipality and the amount of open book accounts representing advances from the municipality. It does not include notes and open accounts representing indebtedness subject to current settlement which are includible in account 233, Payables to Municipality.

B. The records supporting the entries to these accounts shall be so kept that the utility can furnish complete information concerning each note and open account.

#### 224 Other Long-Term Debt

This account shall include, until maturity, all long-term debt not otherwise provided for. Separate accounts shall be maintained for each class of obligation, and records shall be maintained to show for each class all details as to date of obligation, date of maturity, interest dates and rates, security for the obligation, etc.

Note.--Miscellaneous long-term debt reacquired shall be accounted for in accordance with the procedure set forth in account 221, Bonds.

## BALANCE SHEET ACCOUNTS

### 7. Current and Accrued Liabilities

Current and accrued liabilities are those obligations which have either matured or which become due within one year from the date thereof; except, however, bonds, receivers' certificates and similar obligations which shall be classified as long-term debt until date of maturity; accrued taxes which shall be classified as accrued liabilities even though payable more than one year from date; compensation awards, which shall be classified as current liabilities regardless of date due; and minor amounts payable in installments which may be classified as current liabilities. If a liability is due more than one year from date of issuance or assumption by the utility, it shall be credited to a long-term debt account appropriate for the transaction, except, however, the current liabilities previously mentioned.

#### 231 Notes Payable

This account shall include the face value of all notes, drafts, acceptances, or other similar evidences of indebtedness, payable on demand or within a time not exceeding one year from date of issue, to other than the municipality.

#### 232 Accounts Payable

This account shall include all amounts payable by the utility within one year, which are not provided for in other accounts.

#### 233 Payables to Municipality

This account shall include amounts payable to the municipality or its other departments which are subject to current settlement.

Note.--On the balance sheet, accounts payable to the municipality may be set off against accounts receivable from it.

#### 235 Customer Deposits

This account shall include all amounts deposited with the utility by customers as security for the payment of bills.

#### 236 Taxes Accrued

A. This account shall be credited with the amount of taxes accrued during the accounting period, corresponding debits being made to the appropriate accounts for tax charges. Such credits may be based upon estimates, but from time to time during the year as the facts become known, the amount of the periodic credits shall be adjusted so as to include as nearly as can be determined in each year the taxes applicable thereto. Any amount representing a prepayment of taxes applicable to the period subsequent to the date of the balance sheet, shall be shown under account 165, Prepayments.

## BALANCE SHEET ACCOUNTS

B. If accruals for taxes are found to be insufficient or excessive, correction therefor shall be made through current tax accruals. However, if such corrections are so large as to seriously distort current expenses, they shall be charged or credited, as appropriate, to account 434, Miscellaneous Credits to Surplus, or account 435, Miscellaneous Debits to Surplus.

C. The records supporting the entries to this account shall be kept so as to show for each class of taxes, the amount accrued, the basis for the accrual, the accounts to which charged, and the amount of tax paid.

### 237 Interest Accrued

This account shall include the amount of interest accrued but not matured on all liabilities of the utility not including, however, interest which is added to the principal of the debt on which incurred. Supporting records shall be maintained so as to show the amount of interest accrued on each obligation.

### 238 Other Current and Accrued Liabilities

This account shall include the amount of all other current and accrued liabilities not provided for elsewhere appropriately designated and supported so as to show the nature of each liability.

#### Items

1. Matured long-term debt.
2. Matured interest.
3. Taxes collected through pay roll deductions or otherwise, including sewage charges collected by the utility, pending transmittal to the proper taxing authority.

### 8. Deferred Credits

### 251 Unamortized Premium on Debt

A. This account shall include the total of the unamortized balance of premium and expense for all classes of long-term debt.

B. The premium and expense shall be amortized over the life of the respective issues under a plan which will distribute the amounts equitably over the life of the securities. The amortization shall be credited to account 429, Amortization of Premium on Debt--Cr.

### 252 Customer Advances for Construction

This account shall include advances by customers for construction which are to be refunded either wholly or in part. When a customer is refunded the entire amount to which he is entitled, according to the



## BALANCE SHEET ACCOUNTS

agreement or rule under which the advance was made, the balance, if any, remaining in this account shall be credited to account 271, Contributions in Aid of Construction.

### 253 Other Deferred Credits

This account shall include advance billings and receipts and other deferred credit items, not provided for elsewhere, including amounts which cannot be entirely cleared or disposed of until additional information has been received.

## 9. Operating Reserves

### 261 Property Insurance Reserve

A. This account shall include amounts reserved by the utility for self-insurance against losses through accident, fire, flood or other hazards to its own property or property leased from others. A Schedule of risks covered by this reserve shall be maintained, giving a description of the property involved, the character of the risks covered and the rates used.

B. Charges shall be made to this account for losses covered by self-insurance. Details of these charges shall be maintained according to the year the casualty occurred which gave rise to the loss.

### 262 Injuries and Damages Reserve

A. This account shall be credited with amounts charged to account 925, Injuries and Damages, or other appropriate accounts, to meet the probable liability, not covered by insurance, for deaths or injuries to employees and others, and for damages to property neither owned nor held under lease by the utility.

B. When liability for any injury or damage is admitted by the utility either voluntarily or because of the decision of a court or other lawful authority, such as a workmen's compensation board, the admitted liability shall be charged to this account and credited to the appropriate liability account. Details of these changes shall be maintained according to the year the casualty occurred which gave rise to the loss.

Note.--Recoveries or reimbursements for losses charged to this account shall be credited hereto; the cost of repairs to property of others if provided for herein, shall be charged to this account.

### 263 Pensions and Benefits Reserve

A. This account shall include provisions made by the utility and amounts contributed by employees for pensions, accident and death benefits, savings, relief, hospital and other provident purposes, where the funds represented by the reserve are included in the assets of the utility either in general or in segregated fund accounts.

## BALANCE SHEET ACCOUNTS

B. Amounts paid by the utility for the purposes for which this reserve is established shall be charged hereto.

C. A separate account shall be kept for each kind of reserve included herein.

Note.--If employee pension or benefit plan funds are not included among the assets of the utility but are held by outside trustees, payments into such funds, or accruals therefor, shall not be included in this account.

### 265 Miscellaneous Operating Reserves

A. This account shall include all operating reserves maintained by the utility which are not provided for elsewhere.

B. This account shall be maintained in such manner as to show the amount of each separate reserve and the nature and amounts of the debits and credits thereto.

Note.--This account includes only such reserves as may be created for operating purposes and does not include any reservations of income the credits for which should be carried in account 215, Appropriated Earned Surplus.

### 10. Contributions in Aid of Construction

### 271 Contributions in Aid of Construction

A. This account shall include donations or contributions in cash, services, or property from states, municipalities or other governmental agencies, individuals, and others for construction purposes.

B. The credits to this account shall not be transferred to earned surplus or to any other account without the approval of the Commission.

C. The records supporting the entries to this account shall be so kept that the utility can furnish information as to the purpose of each donation, the conditions, if any, upon which it was made, the amount of donations from (a) states, (b) municipalities, (c) customers, and (d) others, and the amount applicable to each utility department.

D. Each construction grant received from a state or Federal agency, not including contributions collected in accordance with the utilities' filed rates and rules concerning assessments and charges to utility customers for mains, laterals and hook-up fees, shall be credited to a specific sub-account of account 271. When authorized by the Commission, the amount of each such grant will be amortized over the composite life of the property which was constructed from the grant funds by debits to grant sub-account and credits to account 475, Amortization of Construction Grants.

Note.--There shall not be included in this account advances for construction which are ultimately to be repaid wholly or in part. (See account 252, Customer Advances for Construction.

## UTILITY PLANT ACCOUNTS

### 1. Intangible Plant

- 301 Organization
- 302 Franchises and Consents
- 303 Miscellaneous Intangible Plant

### 2. Source of Supply Plant

- 310 Land and Land Rights
- 311 Structures and Improvements
- 312 Collecting and Impounding Reservoirs
- 313 Lake, River and Other Intakes
- 314 Wells and Springs
- 315 Infiltration Galleries and Tunnels
- 316 Supply Mains
- 317 Other Water Source Plant

### 3. Pumping Plant

- 320 Land and Land Rights
- 321 Structures and Improvements
- 322 Boiler Plant Equipment
- 323 Other Power Production Equipment
- 324 Steam Pumping Equipment
- 325 Electric Pumping Equipment
- 326 Diesel Pumping Equipment
- 327 Hydraulic Pumping Equipment
- 328 Other Pumping Equipment

### 4. Water Treatment Plant

- 330 Land and Land Rights
- 331 Structures and Improvements
- 332 Water Treatment Equipment

### 5. Transmission and Distribution Plant

- 340 Land and Land Rights
- 341 Structures and Improvements
- 342 Distribution Reservoirs and Standpipes
- 343 Transmission and Distribution Mains
- 344 Fire Mains
- 345 Services
- 346 Meters
- 348 Hydrants
- 349 Other Transmission and Distribution Plant

## UTILITY PLANT ACCOUNTS

### 6. General Plant

- 389 Land and Land Rights
- 390 Structures and Improvements
- 391 Office Furniture and Equipment
- 392 Transportation Equipment
- 393 Stores Equipment
- 394 Tools, Shop and Garage Equipment
- 395 Laboratory Equipment
- 396 Power Operated Equipment
- 397 Communication Equipment
- 398 Miscellaneous Equipment
- 399 Other Tangible Property

## UTILITY PLANT ACCOUNTS

### 1. Intangible Plant

#### 301 Organization

This account shall include expenditures incident to organizing the municipal utility and putting it into readiness to do business.

Note.--This account shall not include any discounts upon securities issued or assumed; nor shall it include any costs incident to negotiating loans, selling bonds or other evidences of debt.

#### 302 Franchises and Consents

A. This account shall include amounts paid to the federal government, to a state or to a political subdivision thereof in consideration for franchises, consents or certificates, running in perpetuity or for a specified term of more than one year, together with necessary and reasonable expenses incident to procuring such franchises, consents or certificates of permission and approval.

B. Records supporting this account shall be kept so as to show separately the book cost of each franchise or consent.

#### 303 Miscellaneous Intangible Plant

A. This account shall include the cost of patent rights, licenses, privileges and other intangible property necessary or valuable in the conduct of utility operations and not specifically chargeable to any other account.

B. When any item included in this account is retired or expires, the book cost thereof shall be credited hereto and charged to account 435, Miscellaneous Debits to Surplus, or to account 110, Accumulated Provision for Depreciation and Amortization of Utility Plant, as appropriate.

C. This account shall be maintained in such a manner that the utility can furnish full information with respect to the amounts included herein.

### 2. Source of Supply Plant

#### 310 Land and Land Rights

This account shall include the cost of land and land rights used in connection with source of supply operations. (See utility plant instruction 6.)

## UTILITY PLANT ACCOUNTS

### 311 Structures and Improvements

This account shall include the cost in place of structures and improvements used in connection with source of water supply not includable in other accounts provided for source of supply plant. (See utility plant instruction 7.)

### 312 Collecting and Impounding Reservoirs

This account shall include the cost in place of structures and improvements used for impounding, collecting and storing water in the source of supply system.

#### Items

1. Aerators (when installed as an integral part of collecting and impounding reservoirs).
2. Bridges and culverts.
3. Clearing land.
4. Dams.
5. Drainage conduits.
6. Embankments.
7. Fish ladders and elevators.
8. Fences.
9. Gate houses and equipment.
10. Landscaping.
11. Lighting systems.
12. Retaining walls.
13. Roads and paths.
14. Sewers.
15. Spoilways and channels.
16. Any other permanent improvement to collecting and impounding reservoirs.

### 313 Lake, River and Other Intakes

This account shall include the cost installed of lake, river and other intakes used as a source of water supply.

#### Items

1. Clearing land.
2. Conduits
3. Cribs.
4. Fences.
5. Gate houses and equipment.
6. Intake pipes (up to suction header).
7. Intake wells.
8. Lighting systems.
9. Screens and racks.

## UTILITY PLANT ACCOUNTS

### 314 Wells and Springs

This account shall include the cost installed of wells and springs used as a source of water supply.

#### Items

1. Clearing land.
2. Collecting basins.
3. Collecting pipes.
4. Fences.
5. Landscaping.
6. Lighting systems.
7. Overflow spillways and channels.
8. Sewers.
9. Springs and appurtenances.
10. Wells, casings and appurtenances, including cost of test wells and nonproductive wells drilled as part of a project resulting in a source of water within the same supply area.

### 315 Infiltration Galleries and Tunnels

This account shall include the cost installed of infiltration galleries and tunnels used as a source of water supply.

#### Items

1. Conduits.
2. Gate houses and equipment.
3. Piping.

### 316. Supply Mains

This account shall include the cost installed of supply mains, pipes, aqueducts and canals and their appurtenances. (See utility plant instruction 12.)

#### Items

1. Air chambers.
2. Blow-offs and overflows.
3. Bridges and culverts.
4. Canals.
5. Electrolysis control equipment.
6. Gauges and recorders.
7. Jointing and jointing material.
8. Manholes.
9. Meters and meter houses.
10. Municipal inspection or permits.
11. Pavement disturbed, including cutting and replacing pavement, pavement base and sidewalks.

## UTILITY PLANT ACCOUNTS

12. Pipes, aqueducts or conduits.
13. Placing mains and accessories.
14. Pressure regulators.
15. Protection of street openings.
16. Shut-offs.
17. Special castings.
18. Sterilizing new mains.
19. Surge tanks.
20. Trenching, including shoring, bracing, bridging, pumping, backfill and disposal of excess excavated material.
21. Tunnels.
22. Valves and appurtenances.
23. Valve vaults.

### 317 Other Water Source Plant

This account shall include the cost installed of other water source plant which is not properly includible in other source of supply plant accounts.

## 3. Pumping Plant

### 320 Land and Land Rights

This account shall include cost of land and land rights used in connection with pumping operations. (See utility plant instruction 6.)

### 321 Structures and Improvements

This account shall include cost in place of structures and improvements used in pumping operations. (See utility plant instruction 7.)

### 322 Boiler Plant Equipment

This account shall include the cost installed of furnaces, boilers, coal and ash handling and coal preparing equipment, steam and feed water piping, boiler apparatus and accessories used in the production of steam to be used primarily for pumping operations.

#### Items

1. Ash handling equipment, including hoppers, gates, cars, conveyors, hoists, sluicing equipment, including pumps and motors, sluicing water pipe and fittings, sluicing trenches and accessories, etc., except sluices which are a part of a building.
2. Boiler feed system, including feed water heaters, evaporative condensers, heater drain pumps, heater drainers, deaerators and vent condensers, boiler feed pumps, surge tanks, feed water regulators, feed water measuring equipment and all associated drives.



## UTILITY PLANT ACCOUNTS

3. Boiler plant cranes and hoists and associated drives.
4. Boilers and equipment, including boilers and baffles, economizers, superheaters, soot blowers, foundations and settings, water walls, arches, grates, insulation, blowdown system, drying out of new boilers, also associated motors or other power equipment.
5. Breeching and accessories, including breeching, dampers, soot spouts, hoppers and gates, cinder eliminators, breeching insulation, soot blowers and associated motors.
6. Coal handling and storage equipment, including coal towers, coal lorries, coal cars, locomotives and tracks when devoted principally to the transportation of coal, hoppers, down-takes, unloading and hoisting equipment, skip hoists and conveyors, weighing equipment, magnetic separators, cable ways, housings and supports for coal handling equipment.
7. Draft equipment, including air preheaters and accessories, induced and forced draft fans, air ducts, combustion control mechanisms and associated motors or other power equipment.
8. Gas burning equipment, including holders, burner equipment and piping control equipment, etc.
9. Instruments and devices, including all measuring, indicating and recording equipment for boiler plant service together with mountings and supports.
10. Lighting systems.
11. Oil burning equipment, including tanks, heaters, pumps with drive, burner equipment and piping, control equipment, etc.
12. Pulverized fuel equipment, including pulverizers, accessory motors, primary air fans, cyclones and ducts, dryers, pulverized fuel bins, pulverized fuel conveyors and equipment, burners, burner piping, priming equipment, air compressors, motors, etc.
13. Stacks, including foundations and supports, stack steel and ladders, stack brick work, stack concrete, stack lining, stack painting (first), when set on separate foundations, independent of substructure or superstructure of building.
14. Station piping, including pipe, valves, fittings, separators, traps, desuperheaters, hangers excavation, covering, etc., for station piping system, including all steam, condensate, boiler feed and water supply piping, etc.
15. Stoker or equivalent feeding equipment, including stokers and accessory motors, clinker grinders, fans and motors, etc.
16. Ventilating equipment.
17. Water purification equipment, including softeners and accessories, evaporators and accessories, heat exchangers, filters, tanks for filtered or softened water, pumps, motors, etc.
18. Water supply systems, including pumps, motors, strainers, raw water storage tanks, boiler wash pumps, intake and discharge pipes and tunnels not a part of a building.
19. Wood fuel equipment, including hoppers, fuel hogs, and accessories, elevators and conveyors, bins and gates, spouts, measuring equipment and associated drives.

## UTILITY PLANT ACCOUNTS

### 323 Other Power Production Equipment

A. This account shall include the cost installed of any equipment, used for the production of power, other than boiler plant equipment, principally for use in pumping operations.

B. Subdivisions shall be maintained hereunder for the cost of equipment used for each type of power purchased, such as hydraulic works, generators, etc.

### 324 Steam Pumping Equipment

This account shall include the cost installed of pumping equipment driven by steam.

#### Items

1. Engines for driving pumps.
2. Pumps, including setting, gearing, shafting, and belting.
3. Water piping within station, including valves.
4. Auxiliary equipment for engines and pumps such as oiling systems, cooling systems, condensers, etc.
5. Steam lines and valves.
6. Regulating, recording and measuring devices.
7. Foundations, frames and bed plates.
8. Ladders, stairs and platforms if a part of pumping unit.

### 325 Electric Pumping Equipment

This account shall include the cost installed of pumping equipment driven by electric power.

#### Items

1. Motors for driving pumps.
2. Pumps, including setting, gearing, shafting and belting.
3. Water piping within station, including valves.
4. Auxiliary equipment for motors and pumps such as oiling systems, cooling systems, condensers, etc.
5. Electric power lines and switching.
6. Regulating, recording and measuring devices.
7. Foundations, frames and bed plates.
8. Ladders, stairs and platforms if a part of pumping unit.

### 326 Diesel Pumping Equipment

This account shall include the cost installed of pumping equipment driven by diesel engines.

## UTILITY PLANT ACCOUNTS

### Items

1. Engines for driving pumps.
2. Pumps, including setting, gearing, shafting and belting.
3. Water piping within station, including valves.
4. Auxiliary equipment for engines and pumps such as oiling systems, cooling systems, condensers, etc.
5. Oil supply lines and accessories.
6. Regulating, recording and measuring devices.
7. Foundations, frames and bed plates.
8. Ladders, stairs and platforms if a part of pumping unit.

### 327 Hydraulic Pumping Equipment

This account shall include the cost installed of pumping equipment driven by hydraulic power.

### Items

1. Water wheels and turbines for driving pumps.
2. Pumps, including setting, gearing, shafting and belting.
3. Water piping within station, including valves.
4. Auxiliary equipment for water wheels and turbines and pumps such as oiling systems, cooling systems, condensers, etc., (within walls of pumping station structure).
5. Regulating, recording and measuring devices.
6. Foundations, frames and bed plates.
7. Ladders, stairs and platforms if a part of pumping unit.

### 328 Other Pumping Equipment

This account shall include cost of equipment used in pumping operations not properly includible in accounts 324, 325, 326, and 327, such as gas engine and gasoline engine pumping equipment. Subdivisions shall be maintained hereunder for each type of pumping equipment.

### 4. Water Treatment Plant

### 330 Land and Land Rights

This account shall include the cost of land and land rights used in connection with water treatment plant operations. (See utility plant instruction 6.)

### 331 Structures and Improvements

This account shall include the cost in place of structures and improvements used in connection with the operation of the water treatment plant. (See utility plant instruction 7.)

## UTILITY PLANT ACCOUNTS

### 332 Water Treatment Equipment

This account shall include the cost installed of apparatus equipment and other facilities used for the treatment of water.

#### Items

Aerators (when installed as an integral part of the Water Treatment Plant):

1. Air compressor.
2. Piping system, including valves.
3. Spray nozzles.
4. Substructures.

Chemical Treating Plant:

1. Agitating equipment.
2. Ammonia machines.
3. Carbonating equipment.
4. Chemical manufacturing plants.
5. Chemical pumps.
6. Chemical handling equipment.
7. Chlorine machines.
8. Coke.
9. Dry feed machines.
10. Dry storage bins.
11. Electrolytic cell.
12. Elevator (when not part of building).
13. Fluoridation equipment.
14. Gauges.
15. Gravity feed or pump feed apparatus.
16. Motors.
17. Piping system, including valves.
18. Rate controllers.
19. Sludge pumps.
20. Softening equipment.
21. Solution feed equipment.
22. Solution tanks.
23. Switchboards.
24. Weighing equipment.

Clear Water Basin:

1. Basin.
2. Gauges.
3. Piping system, including valves.
4. Substructures.

## UTILITY PLANT ACCOUNTS

### Filter Plant:

1. Air blower and compressor.
2. Filters.
3. Gauges.
4. Piping system.
5. Rate controllers.
6. Sand, gravel or other filtering media.
7. Substructures.
8. Surface work equipment.
9. Valve control tables.
10. Valve operating mechanism.
11. Valves.
12. Wash troughs.
13. Wash water pumps.
14. Wash water tanks.

### Mixing Chambers:

1. Piping system, including valves.
2. Chambers.
3. Mechanical mixers.

### Sedimentation or Coagulation Basin:

1. Basins.
2. Coagulant storage tanks.
3. Feeder equipment.
4. Industrial railroad.
5. Mechanical mixers.
6. Orifice devices.
7. Piping system, including valves.
8. Screens and hoists.
9. Sludge removal apparatus.

### Softening Plant:

1. Carbonating chambers and equipment.
2. Clear water basins.
3. Gauges.
4. Gravel.
5. Meters.
6. Mixing tanks and chambers.
7. Permanent chemical softening agents.
8. Piping system, including valves.
9. Salt solution or brine tanks and appurtenances.
10. Salt solution pumps.
11. Salt storage bins.
12. Sedimentation or coagulation basins.
13. Substructures.
14. Underdrain systems.
15. Wash water controllers.

## UTILITY PLANT ACCOUNTS

Note.--Protecting superstructures shall be included in account 331, Structures and Improvements.

### 5. Transmission and Distribution Plant

#### 340 Land and Land Rights

This account shall include the cost of land and land rights used in connection with transmission and distribution operations. (See utility plant instruction 6.)

#### 341 Structures and Improvements

This account shall include the cost in place of structures and improvements, other than reservoirs and standpipes, used in connection with transmission and distribution operations. (See utility plant instruction 7.)

#### 342 Distribution Reservoirs and Standpipes

This account shall include the cost in place of reservoirs, tanks, standpipes, and appurtenances used in storing water for distribution. (See utility plant instruction 7.)

##### Items

1. Aerators (when installed as an integral part of distribution reservoirs).
2. Bridges and culverts.
3. Clearing land.
4. Dams.
5. Embankments.
6. Fences.
7. Foundations.
8. Gates and gate houses.
9. Landscaping.
10. Lighting systems.
11. Piping system within reservoirs.
12. Retaining walls.
13. Roads and paths.
14. Rust-proofing apparatus.
15. Sewers.
16. Soillways and channels.
17. Standpipes.
18. Superstructures.
19. Tanks.
20. Towers.
21. Valves and appurtenances.
22. Valve vaults and houses.
23. Water level control apparatus.

## UTILITY PLANT ACCOUNTS

### 343 Transmission and Distribution Mains

A. This account shall include the cost installed of transmission and distribution mains and appurtenances. (See utility plant instruction 12 and Note to account 651, Maintenance of Mains.)

B. Records supporting this account shall be so kept as to show separately the cost of mains of different sizes and types and of each tunnel, bridge, or river crossing.

#### Items

1. Air chambers.
2. Blow-offs and overflows.
3. Bridges and culverts.
4. Electrolysis control equipment.
5. Gauges and recorders.
6. Jointing and jointing material.
7. Manholes.
8. Meters and appurtenances.
9. Municipal inspection or permits.
10. Pavement disturbed, including cutting and replacing pavement, pavement base and sidewalks.
11. Pipes.
12. Placing mains and accessories.
13. Pressure regulators.
14. Protection of street openings.
15. Shut-offs.
16. Special castings.
17. Sterilizing new mains.
18. Surge tanks.
19. Trenching, including shoring, bracing, bridging, pumping, backfill and disposal of excess excavated material.
20. Tunnels.
21. Valves and appurtenances.
22. Valve vaults.

### 344 Fire Mains

This account shall include the cost installed of mains and appurtenances used exclusively for fire protection purposes. For items includible in this account, see account 343. (See utility plant instruction 12.)

### 345 Services

A. This account shall include the cost installed of service pipes and accessories leading to the customers' premises.

B. A complete service begins with the connection on the main and extends to but does not include the connection with the customers' meter. A stub service extends from the main to the property line, or the curb stop.

## UTILITY PLANT ACCOUNTS

### Items

1. Corporation stops or tees.
2. Gate valves and boxes.
3. Goose necks.
4. Jointing and jointing material.
5. Municipal inspection or permits.
6. Pavement disturbed, including cutting and replacing pavement, pavement base and sidewalks.
7. Pipes.
8. Placing pipes and accessories.
9. Protection of street openings.
10. Service or curb boxes.
11. Service or curb stops.
12. Tapping main.

### 346 Meters

A. This account shall include the cost installed of meters used for measuring the quantity of water delivered to users, whether actually in service or held in reserve.

B. When a meter is permanently retired from service, the amount at which it is included herein shall be credited to this account.

C. The records covering meters shall be so kept that the utility can furnish information as to the number of meters of each type and size in service and in reserve as well as the location of each meter included in this account.

### Items

1. Meters, including badging and initial testing.
2. Meter yokes.
3. Meter fittings, connections and shelves.
4. Meter vaults or boxes.
5. Stops.

Note.--The cost of labor in removing and resetting meters shall be charged to account 640, Operation Labor.

### 348 Hydrants

A. This account shall include the cost installed of hydrants in service owned by the utility.

B. Records shall be kept so as to show number, size (nominal diameter of bottom connection), number and size of hose connections, diameter of main to which attached and type of hydrants classified as to public use and private use.



## UTILITY PLANT ACCOUNTS

### Items

1. Connections to main.
2. Excavation, backfill, and disposal of excess excavated material.
3. Hydrants and fittings, including barrel and shoe.
4. Manholes.
5. Pavement disturbed, including cutting and replacing pavement, pavement base and sidewalks.
6. Pipe including leads and drains.
7. Tee at main.
8. Valves and valve boxes.

### 349 Other Transmission and Distribution Plant

This account shall include the cost installed of all other transmission and distribution system plant not provided for in the foregoing accounts.

### Items

1. Cisterns or basins.
2. Connections to main.
3. Excavation, backfill, and disposal of excess excavated material.
4. Fountains, basins, trough, pool, etc.
5. Pavement disturbed, cutting and replacing pavement, pavement base and sidewalks.
6. Piping.
7. Valves and valve boxes.

### 6. General Plant

### 389 Land and Land Rights

This account shall include the cost of land and land rights used for utility purposes, the cost of which is not properly includible in other land and land rights accounts. (See utility plant instruction 6.)

### 390 Structures and Improvements

This account shall include the cost in place of structures and improvements used for utility purposes, the cost of which is not properly includible in other structures and improvements accounts. (See utility plant instruction 7.)

### 391 Office Furniture and Equipment

A. This account shall include the cost of office furniture and equipment owned by the utility and devoted to utility service, and not permanently attached to buildings, except the cost of such furniture and equipment which the utility elects to assign to other plant accounts on a functional basis.

## UTILITY PLANT ACCOUNTS

B. If the utility has equipment includible in this account at more than one location, separate records shall be maintained for each location.

### Items

1. Book cases and shelves.
2. Desks, chairs, and desk equipment.
3. Drafting room equipment.
4. Filing, storage, and other cabinets.
5. Floor covering.
6. Library and library equipment.
7. Mechanical office equipment such as accounting machines, typewriters, etc.
8. Safes.
9. Tables.

## 392 Transportation Equipment

This account shall include the cost of transportation vehicles used for utility purposes.

### Items

1. Airplanes.
2. Automobiles.
3. Bicycles.
4. Electrical vehicles.
5. Motor trucks.
6. Motorcycles.
7. Repair cars or trucks.
8. Tractors and trailers.
9. Other transportation vehicles.

## 393 Stores Equipment

A. This account shall include the cost of equipment used for the receiving, shipping, handling and storage of materials and supplies.

B. If the utility has equipment includible in this account at more than one location, separate records shall be maintained for each location.

### Items

1. Chain falls.
2. Counters.
3. Cranes (portable).
4. Elevating and stacking equipment (portable).
5. Hoists.
6. Lockers.

## UTILITY PLANT ACCOUNTS

7. Scales.
8. Shelving.
9. Storage bins.
10. Trucks, hand and power driven.
11. Wheelbarrows.

### 394 Tools, Shop and Garage Equipment

This account shall include the cost of tools, implements, and equipment used in construction, repair work, general shops and garages and not specifically provided for or includible in other accounts.

#### Items

1. Air comoressors.
2. Anvils.
3. Automobile repair shop equipment.
4. Battery charging equipment.
5. Belts, shafts, and countershafts.
6. Boilers.
7. Cable pulling equipment.
8. Concrete mixers.
9. Drill presses.
10. Derricks.
11. Electric equipment.
12. Engines.
13. Forges.
14. Furnaces.
15. Foundations and settings specially constructed for and not expected to outlast the equipment for which provided.
16. Gas producers.
17. Gasoline pumps, oil pumps and storage tanks.
18. Greasing tools and equipment.
19. Hoists.
20. Ladders.
21. Lathes.
22. Machine tools.
23. Motor-driven tools.
24. Motors.
25. Pipe threading and cutting tools.
26. Pneumatic tools.
27. Pumps.
28. Riveters.
29. Smithing equipment.
30. Tool racks.
31. Vises.
32. Welding apparatus.
33. Work benches.

## UTILITY PLANT ACCOUNTS

### 395 Laboratory Equipment

A. This account shall include the cost installed of laboratory equipment used for general laboratory purposes and not specifically provided for or includible in other departmental or functional plant accounts.

B. If the utility has equipment includible in this account at more than one location, separate records shall be maintained for each location.

#### Items

1. Autoclaves.
2. Barometers.
3. Cameras.
4. Centrifuge.
5. Distilling apparatus.
6. Furnaces.
7. Microscopes.
8. Ovens.
9. Pitometers.
10. Rain gauges.
11. Refrigerators.
12. Scales.
13. Sterilizers.
14. Stop watches.
15. Testing machines.
16. Thermometers.
17. Voltmeters.
18. Other bacteriological, electric, chemical, hydraulic or research equipment.

### 396 Power Operated Equipment

This account shall include the cost of power operated equipment used in construction or repair work exclusive of equipment includible in other accounts. Include, also, the tools and accessories acquired for use with such equipment and the vehicle on which such equipment is mounted.

#### Items

1. Air compressors, including driving unit and vehicle.
2. Back filling machines.
3. Boring machines.
4. Bulldozers.
5. Cranes and hoists.
6. Diggers.
7. Engines.
8. Pile drivers.
9. Pipe cleaning machines.

## UTILITY PLANT ACCOUNTS

10. Pipe coating or wrapping machines.
11. Tractors--crawler type.
12. Trenchers.
13. Other power operated equipment.

Note.--It is intended that this account include only such large units as are generally self-propelled or mounted on moveable equipment.

### 397 Communication Equipment

This account shall include the cost installed of telephone, telegraph and wireless equipment for general use in connection with utility operations.

#### Items

1. Antennae.
2. Booths.
3. Cables.
4. Distribution boards.
5. Extension cords.
6. Gongs.
7. Handsets, manual and dial.
8. Insulators.
9. Intercommunicating sets.
10. Loading coils.
11. Operators' desks.
12. Poles and fixtures used wholly for telephone and telegraph wires.
13. Radio transmitting and receiving sets.
14. Remote control equipment and lines.
15. Sending keys.
16. Storage batteries.
17. Switchboards.
18. Telautograph circuit connections.
19. Telegraph receiving sets.
20. Telephone and telegraph circuits.
21. Testing instruments.
22. Towers.
23. Underground conduit used wholly for telephone or telegraph wires and cable wires.

### 398 Miscellaneous Equipment

This account shall include the cost of equipment, apparatus, etc., used in utility operations, and which is not includible in any other account.

## UTILITY PLANT ACCOUNTS

### Items

1. Hospital and infirmary equipment.
2. Kitchen equipment.
3. Recreation equipment.
4. Radios.
5. Restaurant equipment.
6. Soda fountains.
7. Operator's cottage furnishings.
8. Other miscellaneous equipment.

Note.--Miscellaneous equipment of the nature indicated above wherever practicable shall be included in the utility plant accounts on a functional basis.

### 399 Other Tangible Property

This account shall include the cost of tangible utility plant not provided for elsewhere.

## INCOME ACCOUNTS

### 1. Utility Operating Income

Operating Revenues (400)  
Operating Expenses:  
    Operation Expense (401)  
    Maintenance Expense (402)  
    Depreciation Expense (403)  
    Amortization Expense (404-407)  
    Taxes (408)  
    Total Operating Expenses  
Net Operating Revenues  
Income from Utility Plant Leased to Others (412-413)  
Utility Operating Income

### 2. Other Income

Income from Merchandising, Jobbing and Contract Work (415-416)  
Income from Nonutility Operations (417)  
Nonoperating Rental Income (418)  
Interest and Dividend Income (419)  
Miscellaneous Nonoperating Income (421)  
Total Other Income  
Total Income

### 3. Miscellaneous Income Deductions

Miscellaneous Amortization (425)  
Other Income Deductions (426)  
Total Income Deductions  
Income Before Interest Charges

### 4. Interest Charges

Interest on Long-Term Debt (427)  
Amortization of Debt Discount and Expense (428)  
Amortization of Premium on Debt--Cr. (429)  
Interest on Debt to Municipality (430)  
Other Interest Expense (431)  
Interest Charged to Construction--Cr. (432)  
Total Interest Charges  
Net Income

### 5. Earned Surplus

Unappropriated Earned Surplus (at beginning of period) (216)  
Balance Transferred from Income (433)  
Miscellaneous Credits to Surplus (434)  
Miscellaneous Debits to Surplus (435)  
Appropriations of Surplus (436)  
Net Addition to Earned Surplus  
Appropriations of Income to Municipal Funds (439)  
Unappropriated Earned Surplus (at the end of period) (216)

## INCOME ACCOUNTS

### 1. Utility Operating Income

#### 400 Operating Revenues

There shall be shown under this caption the total amount included in the operating revenue accounts provided herein and in similar accounts for other utility departments. Separate subaccounts shall be maintained for each utility department.

#### 401 Operation Expense

There shall be shown under this caption the total amount included in the operation expense accounts provided herein and in similar accounts for other utility departments. Separate subaccounts shall be maintained for each utility department.

#### 402 Maintenance Expense

There shall be shown under this caption the total amount included in the maintenance expense accounts provided herein and in similar accounts for other utility departments. Separate subaccounts shall be maintained for each utility department.

#### 403 Depreciation Expense

A. This account shall include the amount of depreciation expense for all classes of depreciable utility plant in service except such depreciation expense as is chargeable to clearing accounts or to account 416, Costs and Expenses of Merchandising, Jobbing and Contract Work.

B. The utility shall keep such records of property and property retirements as will reflect the service life of property which has been retired and also such records as will reflect the percentage of salvage and cost of removal for property retired.

C. If the utility is engaged in more than one utility service, a separate account shall be kept hereunder for each utility service.

Note A.--Depreciation expense applicable to property included in account 104, Utility Plant Leased to Others, shall be charged to account 413, Expenses of Utility Plant Leased to Others.

Note B.--Depreciation expense applicable to transportation equipment, shop equipment, tools, work equipment, power operated equipment, and other general equipment may be charged to clearing accounts as necessary to obtain a proper distribution of expenses between construction and operation.



## INCOME ACCOUNTS

### 404 Amortization of Limited-Term Utility Plant

This account shall include amortization charges applicable to amounts included in the utility plant accounts for limited-term franchises, licenses, patent rights, limited-term interests in land, and expenditures on leased property where the service life of the improvements is terminable by action of the lease. The charges to this account shall be such as to distribute the book cost of each investment as evenly as may be over the period of its benefit to the utility. (See account 110, Accumulated Provision for Depreciation and Amortization of Utility Plant.)

### 405 Amortization of Other Utility Plant

A. When authorized by the Commission, this account shall include charges for amortization of intangible or other utility plant in service which does not have a definite or terminable life and which is not subject to charges for depreciation expense.

B. This account shall be supported in such detail as to show the amortization applicable to each investment being amortized, together with the book cost of the investment and the period over which it is being written off.

### 406 Amortization of Utility Plant Acquisition Adjustments

This account shall be debited or credited, as the case may be, with amounts includible in operating expenses, pursuant to approval or order of the Commission, for the purpose of providing for the extinguishment of the amount in account 108, Utility Plant Acquisition Adjustments.

### 407 Amortization of Property Losses

This account shall be charged with amounts credited to account 182, Extraordinary Property Losses, when the Commission has authorized the amount in the latter account to be amortized by charges to operating expenses.

### 408 Taxes

A. This account shall include the amount of taxes assessed by federal, state, county, municipal, or other local governmental authorities, which are properly chargeable to utility operations. The charge for tax equivalents due to the municipality shall be made in accordance with Wisconsin Administrative Code, Section PSC 109.

B. The charges to this account shall be made or supported so as to show the amount of each tax and the basis upon which each charge is made. In the case of a utility rendering a number of utility services,

## INCOME ACCOUNTS

taxes includible in this account shall be assigned directly to the utility department the operation of which gave rise to the tax in so far as practicable. Where the tax is not attributable to a specific utility department, it shall be distributed among the utility departments or nonutility operations on an equitable basis.

Note A.--Taxes applicable to nonutility property or investments shall be charged to the account in which the income from the property or investments is included.

Note B.--Special assessments for street and similar improvements shall be included in the appropriate utility plant or nonutility property account.

Note C.--Taxes specifically applicable to construction shall be included in the cost of construction.

Note D.--Taxes assumed by the utility on property leased from others for use in utility operations shall be charged to the appropriate rent expense or clearing account.

Note E.--Gasoline and other sales taxes shall be charged as far as practicable to the same account as the materials on which the tax is levied.

Note F.--Social security and other forms of so-called pay roll taxes shall be distributed to utility departments and to nonutility functions on a basis related to pay roll. Amounts applicable to construction shall be charged to the appropriate plant account.

- 412 Revenues from Utility Plant Leased to Others
- 413 Expenses of Utility Plant Lease to Others

These accounts shall include, respectively, revenues from utility property constituting a distinct operating unit or system leased by the utility to others, and which property is properly includible in account 104, Utility Plant Leased to Others, and the expenses attributable to such property.

## INCOME ACCOUNTS

### 2. Other Income

- 415 Revenues from Merchandising, Jobbing and Contract Work  
416 Costs and Expenses of Merchandising, Jobbing and Contract Work

A. These accounts shall include, respectively, all revenues derived from the sale of merchandise and jobbing or contract work, including any profit or commission accruing to the utility on jobbing work performed by it as agent under contracts whereby it does jobbing work for another for a stipulated profit or commission, and all expenses incurred in such activities.

B. Records in support of these accounts shall be so kept as to permit ready summarization of revenues, costs and expenses by such major items as are feasible.

#### Items

##### Account 415:

1. Charges for installing meters owned by customers.
2. Charges for tapping mains and installing services when not includible in account 271, Contributions in Aid of Construction.
3. Revenues from sales of meters to customers or others for installation on customers' premises.
4. Revenues from sale of water appliances and from piping and other jobbing or contract work.
5. Discounts and allowances made in settlement of bills for merchandise and jobbing work.

##### Account 416:

1. Cost of merchandise sold and of materials used for jobbing work, including transportation, storage and handling.
2. Pay roll and related labor costs and expenses of employees engaged in selling, delivery, and installation of appliances or of jobbing or contract work.
3. Clerical labor and expenses in merchandise and jobbing activities.
4. Inventory adjustments applicable to merchandise and jobbing stock.
5. Light, heat and power.
6. Losses from uncollectible accounts.
7. Shop expenses.
8. Tool expenses.
9. Supervision of merchandise and jobbing activities.
10. Taxes directly assignable to merchandise and jobbing operations.

## INCOME ACCOUNTS

### 417 Income from Nonutility Operations

A. This account shall include revenues and expenses applicable to operations which are nonutility in character but nevertheless constitute a distinct operating activity.

B. The expenses shall include all elements of cost incurred in such operations, and the accounts shall be maintained so as to permit ready summarization as follows:

Operation.  
Maintenance.  
Rents.  
Depreciation.  
Amortization.  
Taxes.

### 418 Nonoperating Rental Income

A. This account shall include all rent revenues and related expenses of land, buildings, or other property included in account 121, Non-utility Property, which is not used in operations covered by account 417.

B. The expenses shall include all elements of costs incurred in the ownership and rental of the property and the accounts shall be maintained so as to permit ready summarization as follows:

Operation.  
Maintenance.  
Rents.  
Depreciation.  
Amortization.  
Taxes.

### 419 Interest and Dividend Income

A. This account shall include interest revenues on securities, loans, notes, advances, special deposits, tax refunds and all other interest-bearing assets, and dividends on stocks, whether the securities on which the interest and dividends are received are carried as investments or included in sinking or other special fund accounts.

B. If any interest or dividends are required to be retained in a special fund and the fund is represented by a reserve, the amount of such accretion to the fund shall concurrently be credited to the appropriate reserve account and charged to account 436, Appropriations of Surplus.

C. This account may include for each accounting period the pro rata amount necessary to extinguish (during the interval between the date of acquisition and the date of maturity) the difference between the cost

## INCOME ACCOUNTS

to the utility and the face value of interest-bearing securities. Amounts thus credited or charged shall be concurrently included in the accounts in which the securities are carried.

Note.--Interest accrued, the payment of which is not reasonably assured, dividends receivable which have not been declared or guaranteed, and interest upon reacquired securities issued or assumed by the utility shall not be credited to this account.

### 421 Miscellaneous Nonoperating Income

This account shall include all revenue and expense items properly includible in the income account and not provided for elsewhere.

#### Items

1. Profit on sale of timber. (See utility plant instruction 6, C.)
2. Profits from operations of others realized by the utility under contracts.

#### 3. Miscellaneous Income Deductions

### 425 Miscellaneous Amortization

This account shall include amortization charges not includible in other accounts which are properly deductible in determining the income of the utility before interest charges. Charges includible herein, if significant in amount, must be in accordance with an orderly and systematic amortization program. Similar charges made irregularly without a definite program, or which are dependent upon the amount of net income, shall be charged to account 435, Miscellaneous Debits to Surplus.

#### Items

1. Amortization of utility plant acquisition adjustments, or of intangibles included in utility plant in service when not authorized to be included in utility operating expenses by the Commission.
2. Amortization of amounts in account 182, Extraordinary Property Losses, when not authorized to be included in utility operating expenses by the Commission.

### 426 Other Income Deductions

This account shall include miscellaneous expense items which are nonoperating in nature but which are properly deductible before determining total income before interest charges.

## INCOME ACCOUNTS

### Items

1. Life insurance of officers and employees where utility is beneficiary (net premiums less increase in cash surrender value of policies).
2. Penalties or fines for violations of statutes pertaining to regulation.
3. Expenditures for the purpose of:
  - a) Influencing public opinion with respect to the election or appointment of public officials, or the adoption, repeal, revocation or modification of referenda, legislation or ordinances.
  - b) Obtaining approval, modification or revocation of franchises.
  - c) Influencing the decisions of public officials not including such expenditures which are directly related to appearances before regulatory or other governmental bodies in connection with the utility's existing or proposed operations.

### 4. Interest Charges

#### 427 Interest on Long-Term Debt

A. This account shall include in each accounting period the amount of interest applicable thereto on outstanding long-term debt issued or assumed by the utility, the liability for which is included in account 221, Bonds, or account 224, Other Long-Term Debt.

B. This account shall be so kept or supported as to show the interest accruals on each class and series of long-term debt.

Note.--This account shall not include interest on nominally issued or nominally outstanding long-term debt, including securities assumed.

#### 428 Amortization of Debt Discount and Expense

A. This account shall include in each accounting period the portion of unamortized debt discount and expense on outstanding long-term debt which is applicable to such period. Amounts charged to this account shall be credited concurrently to account 181, Unamortized Debt Discount and Expense.

B. This account shall be so kept or supported as to show the debt discount and expense on each class and series of long-term debt.

#### 429 Amortization of Premium on Debt--Cr.

A. This account shall include in each accounting period the portion of unamortized net premium on outstanding long-term debt which is applicable to such period. Amounts credited to this account shall be charged concurrently to account 251, Unamortized Premium on Debt.

B. This account shall be so kept or supported as to show the premium on each class and series of long-term debt.

#### 430 Interest on Debt to Municipality

A. This account shall include in each accounting period the interest accrued on amounts included in account 223, Advances from Municipality, and on all other obligations to the municipality.

## INCOME ACCOUNTS

B. The records supporting the entries to this account shall be so kept as to show to whom the interest is to be paid, the period covered by the accrual, the rate of interest and the principal amount of the advances or other obligations on which the interest is accrued.

### 431 Other Interest Expense

This account shall include in each accounting period all interest charges not provided for elsewhere.

#### Items

1. Interest on notes payable on demand or maturing one year or less from date and on open accounts, except notes and accounts with the municipality.
2. Interest on customers' deposits.
3. - Interest on claims and judgments, tax assessments, and assessments for public improvements past due.

### 432 Interest Charged to Construction--Cr.

This account shall include concurrent credits for interest charged to construction based upon the net cost for the period of construction of borrowed funds used for construction purposes and a reasonable rate upon other funds when so used. No interest shall be capitalized on plant which is completed and ready for service.

## 5. Earned Surplus

### 433 Balance Transferred from Income

This account shall include the net credit or debit transferred from income for the year.

### 434 Miscellaneous Credits to Surplus

This account shall include credits affecting earned surplus not provided for elsewhere. All items included in this account shall be sufficiently described in the entries relating thereto as to permit ready analysis.

#### Items

1. Delayed credits.
2. Profit on reacquisition and resale or retirement of utility's debt securities.
3. Profit on sale of property or investments.

## INCOME ACCOUNTS

### 435 Miscellaneous Debits to Surplus

This account shall include amounts chargeable to earned surplus but not provided for elsewhere. All items included in this account shall be sufficiently described in the entries relating thereto as to permit ready analysis.

#### Items

1. Decline in value of investments.
2. Delayed debits.
3. Loss on reacquisition and resale or retirement of utility's debt securities.
4. Provision for past accrued depreciation not provided for.
5. Long-term debt discount or expense written off.
6. Loss on sale of property or investments.
7. Amortization of utility plant acquisition adjustments or of intangibles when not done under an orderly systematic program indicating the propriety of inclusion of the annual charges in account 425, Miscellaneous Amortization.
8. Preliminary survey and investigation expenses on abandoned projects.

### 436 Appropriations of Surplus

This account shall include appropriations of earned surplus for purposes not provided for elsewhere.

#### Items

1. Appropriations of income required under terms of mortgages, orders of courts, contracts or other agreements.
2. Appropriations of income required by action of regulatory authorities.
3. Miscellaneous appropriations of income made at option of utility for specified purposes.

### 439 Appropriations of Income to Municipal Funds

This account shall include the amount of cash or other assets payable to the municipality out of the income or earned surplus of the utility.



## OPERATING REVENUE ACCOUNTS

### 1. Sales of Water

- 460 Unmetered Sales to General Customers
- 461 Metered Sales to General Customers
- 462 Private Fire Protection Service
- 463 Public Fire Protection Service
- 464 Other Sales to Public Authorities
- 465 Sales to Irrigation Customers
- 466 Sales for Resale
- 467 Interdepartmental Sales

### 2. Other Operating Revenues

- 470 Forfeited Discounts
- 471 Miscellaneous Service Revenues
- 472 Rents from Water Property
- 473 Interdepartmental Rents
- 474 Other Water Revenues
- 475 Amortization of Construction Grants

## OPERATING REVENUE ACCOUNTS

### 1. Sales of Water

#### 460 Unmetered Sales to General Customers

A. This account shall include the net billing for water supplied for residential, commercial and industrial purposes where the charge is not dependent in any way on the quantity of water delivered but is based on diameter of service pipe, room, foot of frontage or other similar unit.

B. Records shall be maintained so that the estimated quantity of water sold and the amount of revenue under each rate schedule shall be readily available.

#### 461 Metered Sales to General Customers

A. This account shall include the net billing for measured water supplied for residential, commercial or industrial purposes where the total charge is, or may be, in any way dependent on the quantity of water delivered.

B. Records shall be maintained so that the quantity of water sold and the amount of revenue under each rate schedule shall be readily available.

#### 462 Private Fire Protection Service

A. This account shall include the net billing for the use of fire protection apparatus and for water delivered in connection therewith, for the protection from fire of specific facilities either privately or publicly owned, which are billed under distinct fire protection rate schedules.

B. Records shall be readily available to show the amount of revenue under each rate schedule.

#### 463 Public Fire Protection Service

A. This account shall include the net billing to municipalities and other public authorities for the use of mains and hydrants and for water delivered in connection therewith for the purpose of fire protection to the general public.

B. Records shall be maintained to show the basis of the billing to each municipality.

#### 464 Other Sales to Public Authorities

A. This account shall include the net billing for water supplied to municipalities, or other subdivisions or agencies of state or federal governments, billed under either metered or flat rate tariff schedules.

## OPERATING REVENUE ACCOUNTS

B. Records shall be maintained so that the quantity (estimated if not metered) of water sold and the amount of revenue under each rate schedule shall be readily available.

Note.--Do not include herein revenues from water supplied for fire protection or for resale. (See accounts 463 and 466.)

### 465 Sales to Irrigation Customers

A. This account shall include the net billing for water supplied for commercial irrigation purposes, under distinct irrigation rates, billed under either metered or flat rate tariff schedules.

B. Records shall be maintained so that the quantity (estimated if not metered) of water sold and the amount of revenue under each rate schedule shall be readily available.

### 466 Sales for Resale

A. This account shall include the net billing for water supplied (including stand-by service) to other water utilities or to public authorities for resale purposes.

B. Records shall be maintained so that the quantity (estimated if not metered) of water sold and the amount of revenue under each rate schedule shall be readily available.

Note.--Where the contract is reciprocal, i.e., where either party thereto may take water from the other, the total amount receivable for water supplied to the other party shall be included herein and the total amount payable for water received from the other party shall be charged to account 601, Purchased Water.

### 467 Interdepartmental Sales

A. This account shall include amounts charged by the water department at tariff or other specified rates for water supplied by it to other utility departments.

B. Records shall be maintained so that the quantity of water supplied each other department and the charges therefor shall be readily available.

## OPERATING REVENUE ACCOUNTS

### 2. Other Operating Revenues

#### 470 Forfeited Discounts

This account shall include the amount of discounts forfeited or additional charges imposed because of failure of customers to pay their water bills on or before a specified date.

#### 471 Miscellaneous Service Revenues

This account shall include revenues for all miscellaneous services and charges billed to customers which are not specifically provided for in other accounts.

##### Items

1. Fees for changing, or reconnecting service.
2. Profit on maintenance of appliances, piping or other installations on customers' premises.
3. Net credit or debit (cost less net salvage and less payment from customers) on closing of work order for plant installed for temporary service of less than one year.
4. Recovery of expenses in connection with unauthorized taking of water (billing for the water used shall be included in the appropriate water revenue account).

#### 472 Rents from Water Property

A. This account shall include rents received for the use by others of land, buildings and other property devoted to water operations by the utility.

B. When property owned by the utility is operated jointly with others under a definite arrangement for apportioning the actual expenses among the parties to the arrangement, any amounts received by the utility for interest or return or in reimbursement of taxes or depreciation on the property shall be credited to this account.

Note.--Do not include in this account rents from property constituting an operating unit or system. (See account 412, Revenues from Utility Plant Leased to Others.)

#### 473 Interdepartmental Rents

This account shall include rents credited to the water department on account of rental charges made against other departments (gas, electric, etc. of the utility). In the case of property operated under a definite arrangement to allocate the cost among the departments using the property, any reimbursement to the water department for interest or return and depreciation and taxes shall be credited to this account.

## OPERATING REVENUE ACCOUNTS

Note.--Charges for water supplied other utility departments shall not be included in this account, but in account 467, Interdepartmental Sales.

### 474 Other Water Revenues

This account shall include revenues derived from water operations not includible in any of the foregoing accounts.

#### Items

1. Commissions on sales or distribution of water of others when sold under rates filed by such others.
2. Compensation for minor or incidental services provided for others, such as customers billing, engineering, etc.
3. Profit or loss on sale of material and supplies not ordinarily purchased for resale and not handled through merchandising and jobbing accounts.
4. Sale of steam, but not including sales made by a steam-heating department or transfers of steam under joint facility operations.

### 475 Amortization of Construction Grants

When authorized by the Commission, this account shall include credits for amortization of construction grants received from state and Federal agencies. (See Account 271, paragraph D.)

## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

### 1. Source of Supply Expenses

#### Operation

- 600 Operation Labor
- 601 Purchased Water
- 602 Operation Supplies and Expenses

#### Maintenance

- 605 Maintenance of Water Source Plant

### 2. Pumping Expenses

#### Operation

- 620 Operation Labor
- 621 Fuel for Power Production
- 622 Fuel or Power Purchased for Pumping
- 623 Operation Supplies and Expenses

#### Maintenance

- 625 Maintenance of Pumping Plant

### 3. Water Treatment Expenses

#### Operation

- 630 Operation Labor
- 631 Chemicals
- 632 Operation Supplies and Expenses

#### Maintenance

- 635 Maintenance of Water Treatment Plant

### 4. Transmission and Distribution Expenses

#### Operation

- 640 Operation Labor
- 641 Operation Supplies and Expenses

#### Maintenance

- 650 Maintenance of Distribution Reservoirs and Standpipes
- 651 Maintenance of Mains
- 652 Maintenance of Services
- 653 Maintenance of Meters
- 654 Maintenance of Hydrants
- 655 Maintenance of Other Plant

OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

5. Customer Accounts Expenses

Operation

- 901 Meter Reading Labor
- 902 Accounting and Collecting Labor
- 903 Supplies and Expenses
- 904 Uncollectible Accounts

6. Sales Expenses

Operation

- 910 Sales Expenses

7. Administrative and General Expenses

Operation

- 920 Administrative and General Salaries
- 921 Office Supplies and Expenses
- 922 Administrative Expenses Transferred--Cr.
- 923 Outside Services Employed
- 924 Property Insurance
- 925 Injuries and Damages
- 926 Employee Pensions and Benefits
- 928 Regulatory Commission Expenses
- 930 Miscellaneous General Expenses
- 933 Transportation Expenses

Maintenance

- 935 Maintenance of General Plant

## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

### 1. Source of Supply Expenses

#### Operation

#### 600 Operation Labor

This account shall include the cost of supervision and labor incurred in the operation of source of supply plant.

##### Items

1. Direct supervision of water source operations.
2. Cutting brush and weeds.
3. Electrolysis and soil corrosion investigations.
4. Keeping plant log and records and preparing reports of operation.
5. Operating and lubricating gates and valves.
6. Patrolling and inspecting.
7. Removing organic growth.
8. Removing sediment.
9. Care of grounds including snow removal, cutting grass, etc.

#### 601 Purchased Water

A. This account shall include the cost at the point of delivery of water purchased for resale. This includes charges for readiness to serve and the portion applicable to each accounting period of annual or more frequent payments for the right to divert water at the source of supply.

B. The records supporting this account shall be so kept as to show for each supplier from which water is purchased, point of delivery, quantity purchased, basis of charges, and the cost of water purchased. (See note to account 466, Sales for Resale.)

#### 602 Operation Supplies and Expenses

This account shall include the cost of materials used and expenses incurred in the operation of source of supply plant.

##### Items

1. Attendants' supplies.
2. Building service supplies.
3. Charts and gauge supplies.
4. First-aid supplies and safety equipment.
5. Lubricants and waste.
6. Tools.
7. Transportation, meals and incidental expenses.
8. Rent of source of supply plant.
9. Cost of nonproductive wells (or amortization thereof) drilled as a part of a project which did not result in a source of water within the same supply area. (See account 183, Other Deferred Debits.)
10. Utility service.



## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

### Maintenance

#### 605 Maintenance of Water Source Plant

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of water source plant, the book cost of which is includible in accounts 310 to 317, inclusive, and of similar property leased from others. (See operating expense instruction 1.)

#### 2. Pumping Expenses

### Operation

#### 620 Operation Labor

This account shall include the cost of supervision and labor incurred in the operation of power and pumping facilities.

#### Items

1. Direct supervision of power and pumping operations.
2. Operating power production facilities and related apparatus.
3. Operating pumps, turbines, and engines.
4. Operating condensers, circulating water systems and other auxiliary apparatus.
5. Operating lubrication and oil control systems, including oil purification.
6. Operating control and protective equipment.
7. Operating valves to point where water enters the water treatment or transmission and distribution system.
8. Keeping plant log and records and preparing reports of operation.
9. Testing, checking and adjusting meters, gauges and other instruments, controls, etc., in the pumping plant.
10. Cleaning pumping equipment when not incidental to maintenance work.
11. Guarding and patrolling plant and yard.
12. Building service.
13. Care of grounds including snow removal, cutting grass, etc.
14. Miscellaneous labor.

#### 621 Fuel for Power Production

This account shall include the cost of fuel used in the production of power to operate pumps. Records shall be maintained to show the quantity and cost of each type of fuel used.

## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

### 622 Fuel or Power Purchased for Pumping

A. This account shall include the cost of fuel or power purchased used directly in operation of pumps.

B. This account shall also include the cost of power transferred to water pumping operations from other departments under joint facility arrangements.

#### Items

1. Diesel fuel.
2. Electric power.
3. Gasoline.
4. Gas.
5. Other fuel or power.
6. Steam.

### 623 Operation Supplies and Expenses

This account shall include the cost of materials used and expenses incurred in the operation of power and pumping facilities which are not provided for in other accounts.

#### Items

1. Boiler compounds, chemicals and inspection fees.
2. Boiler feed water.
3. Lubricants.
4. General operating supplies, such as tools, gaskets, packing waste, gauge glasses, hose, indicating lamps, record and report forms, etc.
5. First-aid supplies and safety equipment.
6. Building service supplies.
7. Utility service.
8. Rent of pumping plant.

## Maintenance

### 625 Maintenance of Pumping Plant

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of power production and pumping plant, the book cost of which is includible in accounts 320 to 328, inclusive, and of similar equipment leased from others.

## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

### 3. Water Treatment Expenses

#### Operation

#### 630 Operation Labor

This account shall include the cost of supervision and labor incurred in the operation of water treatment plant.

##### Items

1. Applying chemicals.
2. Cleaning basins.
3. Operating filters.
4. Removing ice.
5. Removing sediment.
6. Washing filters.
7. Operating water softening plant.
8. Operating fluoridation plant.
9. Testing and analyzing.
10. Guarding and patrolling.
11. Building service.
12. Care of grounds including snow removal, cutting grass, etc.
13. Miscellaneous labor.

#### 631 Chemicals

This account shall include the cost of all chemicals used in the treatment of water. Include also the entire cost of any chemicals manufactured by the utility.

##### Items

1. Activated carbon.
2. Ammonia.
3. Caustic soda.
4. Chlorine.
5. Copper sulphate.
6. Fluorine compound.
7. High test hypochlorite.
8. Iron sulphate.
9. Lime.
10. Soda ash.
11. Sodium chlorite.
12. Sulphate of alumina.
13. Sulphuric acid.
14. Other chemicals.

## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

### 632 Operation Supplies and Expenses

This account shall include the cost of materials used and expenses incurred which are not specifically provided for or are not readily assignable to other water treatment operation expense account.

#### Items

1. General operating supplies.
2. First-aid supplies and safety equipment.
3. Building service supplies.
4. Utility service.
5. Rent of water treatment facilities.

### Maintenance

### 635 Maintenance of Water Treatment Plant

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of water treatment plant, the book cost of which is includible in accounts 330 to 332, inclusive, and of similar property leased from others.

#### 4. Transmission and Distribution Expenses

### Operation

### 640 Operation Labor

This account shall include the cost of supervision and labor incurred in the operation of transmission and distribution facilities.

#### Items

1. Direct supervision of transmission and distribution operations.
2. Storage operations covering such work as:
  - a. Routine inspection of storage facilities.
  - b. Operating and lubricating gates and valves.
  - c. Adjusting rust-proofing and signal equipment.
  - d. Keeping records and preparing reports.
  - e. Care of grounds around storage facilities.
  - f. Cleaning and flushing of storage facilities.
3. Line operations covering such work as:
  - a. Routine patrolling.
  - b. Electrolysis and soil corrosion investigations and tests.
  - c. Operating and lubricating gates and valves.
  - d. Observing and recording pressure.
  - e. Flushing mains and hydrants.
  - f. Reading and changing charts in master meters.

## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

4. Meter operations covering such work as:
  - a. Removing and resetting, disconnecting and reconnecting, changing and relocating meters and associated equipment, except the cost of the first testing and setting of a meter which shall be charged to utility plant account 346, Meters.
  - b. Turning on and shutting off service even though a meter is not installed or removed.
  - c. Inspecting and testing meters on premises or in shops other than that incidental to maintenance.
  - d. Inspecting and adjusting meter testing equipment.
5. Customer installations work, such as:
  - a. Testing, inspecting, adjusting, and repairing customers' plumbing and fixtures.
  - b. Testing and inspecting services installed by the customer.
  - c. Investigating and adjusting customers' service complaints.
  - d. Changing customers' house piping for the convenience of the utility.

Note.--Amounts billed customers for any work, the cost of which is charged to this account, shall be credited to this account or to account 641, Operation Supplies and Expenses, as appropriate. Any excess over costs resulting therefrom shall be transferred to account 471, Miscellaneous Service Revenues.

### 641 Operation Supplies and Expenses

This account shall include the cost of materials used and expenses incurred in the operation of transmission and distribution plant.

#### Items

1. Operating materials, such as lubricants, waste, meter and gauge charts, etc.
2. Tool expense.
3. Meter seals and miscellaneous meter supplies.
4. Shop and laboratory expenses.
5. Transportation, meals and incidental expenses.
6. Utility service.
7. Rents for transmission or distribution facilities.

### Maintenance

#### 650 Maintenance of Distribution Reservoirs and Standpipes

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of distribution reservoirs, tanks, standpipes, and related facilities, the book cost of which is includible in account 342, Distribution Reservoirs and Standpipes, and of similar property leased from others.

## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

### 651 Maintenance of Mains

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of mains, the book cost of which is includible in account 343, Transmission and Distribution Mains, and account 344, Fire Mains, and of similar property leased from others.

Note.--When a main is changed in grade or is relocated, the original installed cost of the main shall be credited to utility plant and charged to the accumulated provision for depreciation. The original material cost of the main shall then be credited to the accumulated provision for depreciation and charged to utility plant together with the current installation cost of placing the main at the new level or location. The excess of the actual removal and relocation costs of the job over the amount of installation costs includible in utility plant as aforesaid shall be charged to accumulated provision for depreciation, and such costs shall be considered in determining the annual provisions for depreciation.

### 652 Maintenance of Services

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of services, the book cost of which is includible in account 345, Services, and of similar property leased from others.

### 653 Maintenance of Meters

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of meters and meter testing equipment, the book cost of which is includible in account 346, Meters, account 395, Laboratory Equipment, and of similar property leased from others.

### 654 Maintenance of Hydrants

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of fire hydrants and associated equipment, the book cost of which is includible in account 348, Hydrants, and of similar property leased from others.

### 655 Maintenance of Other Plant

This account shall include the cost of labor, materials used and expenses incurred in maintenance of plant, the book cost of which is includible in account 341, Structures and Improvements, and in account 349, Other Transmission and Distribution Plant, and any general or other plant the maintenance of which is assignable to the transmission and distribution function and is not provided for elsewhere.

## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

### 5. Customer Accounts Expenses

#### Operation

#### 901 Meter Reading Labor

This account shall include the cost of labor incurred in reading customer meters and determining consumption when performed by employees engaged in reading meters.

##### Items

1. Addressing forms for obtaining meter readings by mail.
2. Changing and collecting meter charts used for billing purposes.
3. Checking seals, etc., when performed by meter readers and the work represents a minor activity incidental to regular meter reading routine.
4. Reading meters for billing purposes.
5. Computing consumption from meter reader's book or from reports by mail when done by employees engaged in reading meters.
6. Collecting from prepayment meters when incidental to meter reading.
7. Maintaining record of customer's keys.
8. Computing estimated or average consumption when performed by employees engaged in reading meters.

#### 902 Accounting and Collecting Labor

This account shall include the cost of labor incurred in work on customer applications, contracts, orders, credit investigations, billing and accounting, collections and complaints.

##### Items

##### Labor:

1. Receiving, preparing, recording and handling routine orders for service, disconnections, transfers or meter tests initiated by the customer, excluding the cost of carrying out such orders, which is chargeable to the account appropriate for the work called for by such orders.
2. Investigations of customers' credit and keeping of records pertaining thereto, including records of uncollectible accounts written off.
3. Receiving, refunding or applying customer deposits and maintaining customer deposit, line extension, and other miscellaneous records.
4. Checking consumption shown by meter readers' reports where incidental to preparation of billing data.

## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

5. Preparing address plates and addressing bills and delinquent notices.
6. Preparing billing data.
7. Operating billing and bookkeeping machines.
8. Verifying billing records with contracts or rate schedules.
9. Preparing bills for delivery, and mailing or delivering bills.
10. Collecting revenues, including collection from prepayment meters unless incidental to meter reading operations.
11. Balancing collections, preparing collections for deposit, and preparing cash reports.
12. Posting collections and other credits or charges to customer accounts and extending unpaid balances.
13. Balancing customer accounts and controls.
14. Preparing, mailing, or delivering delinquent notices and preparing reports of delinquent accounts.
15. Final meter reading of delinquent accounts when done by collectors incidental to regular activities.
16. Disconnecting and reconnecting service because of nonpayment of bills.
17. Receiving, recording, and handling of inquiries, complaints, and requests for investigations from customers, including preparation of necessary orders, but excluding the cost of carrying out such orders, which is chargeable to the account appropriate for the work called for by such orders.
18. Statistical and tabulating work on customer accounts and revenues, but not including special analysis for sales department, rate department, or other general purposes, unless incidental, to regular customer accounting routines.
19. Preparing and periodically rewriting meter reading sheets.
20. Determining consumption and computing estimated or average consumption when performed by employees other than those engaged in reading meters.

### 903 Supplies and Expenses

This account shall include the cost of materials used and expenses incurred in meter reading, billing and collecting and related customer accounts activities.

#### Items

1. Badges, lamps, and uniforms.
2. Meter books and binders and forms for recording readings, but not the cost of preparation.
3. Postage and supplies used in obtaining meter readings by mail and in mailing bills.
4. Address plates and supplies.
5. Cash overages and shortages.
6. Commissions or fees to others for collecting.
7. Payments to credit organizations for investigations and reports.



## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

8. Transportation expenses, including transportation of customer bills and meter books under centralized billing procedure.
9. Bank charges, exchange, and other fees for cashing and depositing customers' checks.
10. Forms for recording orders for services, removals, etc.
11. Rent of mechanical equipment.

### 904 Uncollectible Accounts

This account shall be charged with amounts sufficient to provide for losses from uncollectible utility revenues. Concurrent credits shall be made to account 144, Accumulated Provision for Uncollectible Accounts. Losses from uncollectible accounts shall be charged to account 144.

## 6. Sales Expenses

### 910 Sales Expenses

This account shall include the cost of salaries and commissions for soliciting business, demonstration and advertising expenses, and miscellaneous supplies consumed and expenses incurred in sales activities.

Note.--Where expenses of sales activities are not material, this account need not be maintained and the expenses may be charged to the administrative and general expense account appropriate for the nature of the expense.

## 7. Administrative and General Expenses

### Operation

### 920 Administrative and General Salaries

This account shall include the compensation (salaries, bonuses, and other consideration for services, but not including directors' fees) of officers, executives, and other employees of the utility properly chargeable to utility operations and not chargeable directly to a particular operating function.

### 921 Office Supplies and Expenses

This account shall include office supplies and other expenses incurred in connection with the general administration of the utility's operations which are assignable to specific administrative or general departments and are not specifically provided for in other accounts.

## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

### Items

1. Automobile service, including charges through clearing account.
2. Bank messenger and service charges.
3. Books, periodicals, bulletins and subscriptions to newspapers, newsletters, tax services, etc.
4. Building service expenses for customer accounts, sales and administrative and general purposes.
5. Communication service.
6. Cost of individual items of office equipment used by general departments which are of small value or short life.
7. Membership fees and dues in trade, technical, and professional associations paid by utility for employees. (Utility memberships are includible in account 930.)
8. Office supplies and expenses.
9. Payment of court costs, witness fees, and other expenses of legal department.
10. Postage, printing and stationery.
11. Meals, traveling and incidental expenses.

### 922 Administrative Expenses Transferred--Cr.

This account shall be credited with administrative expenses recorded in accounts 920 and 921 which are transferred to construction costs or to nonutility accounts.

### 923 Outside Services Employed

A. This account shall include the fees and expenses of professional consultants and others for general services which are not applicable to a particular operating function nor to other accounts. It shall include also the pay and expenses of persons engaged for a special or temporary administrative or general purpose in circumstances where the person so engaged is not considered as an employee of the utility.

B. This account shall be so maintained as to permit ready summarization according to the nature of service and the person furnishing the same.

### Items

1. Fees, pay and expenses of accountants and auditors, actuaries, appraisers, attorneys, engineering consultants, management consultants, negotiators, public relations counsel, tax consultants, etc.
2. Supervision fees and expenses paid under contracts for general management services.

## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

### 924 Property Insurance

A. This account shall include the cost of insurance or reserve accruals to protect the utility against losses and damages to owned or leased property used in its utility operations. It shall include also the cost of labor and related supplies and expenses incurred in property insurance activities.

B. Recoveries from insurance companies or others for property damages shall be credited to the account charged with the cost of the damages. If the damaged property has been retired, the credit shall be to the appropriate account for accumulated provision for depreciation.

C. Records shall be kept so as to show the amount of coverage for each class of insurance carried, the property covered, and the applicable premiums. Any dividends distributed by mutual insurance companies shall be credited to the accounts to which the insurance premiums were charged.

#### Items

1. Premiums payable to insurance companies for fire, storm, burglary, boiler explosion, lightning, fidelity, riot, and similar insurance.
2. Amounts credited to account 261, Property Insurance Reserve, for similar protection.
3. Special costs incurred in procuring insurance.
4. Insurance inspection service.
5. Insurance counsel, brokerage fees, and expenses.

Note A.--The cost of insurance or reserve accruals capitalized shall be charged to construction either directly or by transfer to construction work orders from this account.

Note B.--The cost of insurance or reserve accruals for the following classes of property shall be charged as indicated:

- (1) Materials and supplies and stores equipment to Stores Expense, or appropriate materials account.
- (2) Transportation and garage equipment to account 933, Transportation Expenses.
- (3) Utility plant leased to others to account 413, Expenses of Utility Plant Leased to Others.
- (4) Nonutility property to the appropriate non-utility income account.
- (5) Merchandise and jobbing property to account 416, Costs and Expenses of Merchandising, Jobbing and Contract Work.

OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

925 Injuries and Damages

A. This account shall include the cost of insurance or reserve accruals to protect the utility against injuries and damage claims of employees or others, losses of such character not covered by insurance, and expenses incurred in settlement of injuries and damages claims. It shall also include the cost of labor and related supplies and expenses incurred in injuries and damages activities.

B. Reimbursements from insurance companies or others for expenses charged hereto on account of injuries and damages and insurance dividends or refunds shall be credited to this account.

Items

1. Premiums payable to insurance companies for protection against claims from injuries and damages by employees or others, such as public liability, property damage, casualty, employee liability, etc., and amounts credited to account 262, Injuries and Damages Reserve, for similar protection.
2. Losses not covered by insurance or reserve accruals on account of injuries or deaths to employees or others and damages to the property of others.
3. Fees and expenses of claim investigators.
4. Payment of awards to claimants for court costs and attorneys' services.
5. Medical and hospital service and expenses for employees as the result of occupational injuries, or resulting from claims of others.
6. Compensation payments under workmen's compensation laws.
7. Compensation paid while incapacitated as the result of occupational injuries. (See note A.)
8. Cost of safety, accident prevention and similar educational activities.

Note A.--Payments to or in behalf of employees for accident or death benefits, hospital expenses, medical supplies or for salaries while incapacitated for service or on leave of absence beyond periods normally allowed, when not the result of occupational injuries, shall be charged to account 926, Employee Pensions and Benefits. (See also note B of account 926.)

Note B.--The cost of injuries and damages or reserve accruals capitalized shall be charged to construction directly or by transfer to construction work orders from this account.

## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

Note C.--Exclude herefrom the time and expenses of employees (except those engaged in injuries and damages activities) spent in attendance at safety and accident prevention educational meetings, if occurring during the regular work period.

### 926 Employee Pensions and Benefits

A. This account shall include pensions paid to or on behalf of retired employees, or accruals to provide for pensions, or payments for the purchase of annuities for the purpose, when the utility has definitely, by contract, committed itself to a pension plan under which the pension funds are irrevocably devoted to pension purposes, and payments for employee accident, sickness, hospital, and death benefits, or insurance therefor. Include, also, expenses incurred in medical, educational or recreational activities for the benefit of employees and administrative expenses in connection with employee pensions and benefits.

B. The utility shall maintain a complete record of accruals or payments for pensions and be prepared to furnish full information to the Commission of the plan under which it has created or proposes to create a pension fund and a copy of the declaration of trust or resolution under which the pension plan is established.

C. There shall be credited to this account the portion of pensions and benefits expenses which is applicable to nonutility operations or which is charged to construction unless such amounts are distributed directly to the accounts involved and are not included herein in the first instance.

D. Records in support of this account shall be so kept that the total pensions expense, the total benefits expense, the administrative expenses included herein, and the amounts of pensions and benefits expenses transferred to construction or other accounts will be readily available.

#### Items

1. Payment of pensions under a nonaccrual or nonfunded basis.
2. Accruals for or payments to pension funds or to insurance companies for pension purposes.
3. Group and life insurance premiums (credit dividends received.)
4. Payments for medical and hospital services and expenses of employees when not the result of occupational injuries.
5. Payments for accident, sickness, hospital, and death benefits or insurance.

## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

6. Payments to employees incapacitated for service or on leave of absence beyond periods normally allowed, when not the result of occupational injuries, or in excess of statutory awards.
7. Expenses in connection with educational and recreational activities for the benefit of employees.

Note A.--The cost of labor and related supplies and expenses of administrative and general employees who are only incidentally engaged in employee pension and benefit activities may be included in account 920 and account 921, as appropriate.

Note B.--Salaries paid to employees during periods of nonoccupational sickness may be charged to the appropriate labor account rather than to employee benefits.

### 928 Regulatory Commission Expenses

A. This account shall include all expenses (except pay of regular employees only incidentally engaged in such work) properly includible in utility operating expenses, incurred by the utility in connection with formal cases before regulatory commission, or other regulatory bodies, or cases in which such a body is a party, including payments made to a regulatory commission for fees assessed against the utility for pay and expenses of such commission, its officers, agents, and employees.

B. Amounts of regulatory commission expenses which by approval or direction of the Commission are to be spread over future periods shall be charged to account 183, Other Deferred Debits, and amortized by charges to this account.

#### Items

1. Salaries, fees, retainers, and expenses of counsel, solicitors, attorneys, accountants, engineers, clerks, attendants, witnesses, and others engaged in the prosecution of, or defense against petitions or complaints presented to regulatory bodies, or in the valuation of property owned or used by the utility in connection with such cases.
2. Office supplies and expenses, payments to public service or other regulatory commissions, stationery and printing, traveling expenses, and other expenses incurred directly in connection with formal cases before regulatory commissions.

## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

Note.--Exclude from this account and include in other appropriate operating expense accounts, expenses incurred in the improvement of service, additional inspection, or rendering reports, which are made necessary by the rules and regulations, or orders, of regulatory bodies.

### 930 Miscellaneous General Expenses

This account shall include the cost of labor and expenses incurred in connection with the general management of the utility not provided for elsewhere.

#### Items

##### Labor:

1. Miscellaneous labor not elsewhere provided for.

##### Expenses:

2. Industry association dues for utility memberships.
3. Contributions for conventions and meetings of the industry.
4. Experimental and general research work for the industry.
5. Communication service not chargeable to other accounts.
6. Trustee and registrar fees and expenses.
7. Publishing and distributing annual reports.
8. Institutional or goodwill advertising.
9. Public notices of financial, operating, and other data required by regulatory statutes.
10. Rents for plant used in customer accounts, sales, or administrative and general functions.

### 933 Transportation Expenses

A. This account shall include the cost of labor, materials used and expenses incurred in the operation and maintenance of general transportation equipment of the utility.

B. This account may be used as a clearing account in which event the charges hereto shall be cleared by apportionment to the appropriate operating expense, utility plant, or other accounts on a basis which will distribute the expenses equitably. Credits to this account shall be made in such detail as to permit ready analysis.

#### Items

1. Depreciation of transportation equipment.
2. Insurance on transportation equipment.
3. License fees for vehicles and drivers.
4. Rents for equipment and garages.
5. Repairs of transportation equipment.
6. Supplies, such as gas, oil, tires, tubes, grease, etc.

## OPERATION AND MAINTENANCE EXPENSE ACCOUNTS

Note.--Transportation expenses applicable to construction shall not be included in operating expenses.

### Maintenance

#### 935 Maintenance of General Plant

This account shall include the cost assignable to customer accounts, sales and administrative and general functions of labor, materials used and expenses incurred in the maintenance of property, the book cost of which is includible in account 390, Structures and Improvements, account 391, Office Furniture and Equipment, account 397, Communication Equipment, and account 398, Miscellaneous Equipment, and of similar property leased from others. Include, also, the cost of repairing for reuse materials which previously were included in those accounts.

Note.--Maintenance of plant included in other general equipment accounts shall be included herein unless charged to clearing accounts or to the particular functional maintenance expense account indicated by the use of the equipment.